ADMINISTRATION REPORT

OF THE

CORPORATION OF MADRAS

FOR

1914-1915.

TROPICAL DISEASES BUREAU
RECEIVED
NOV 1915

Madras:
PRINTED BY THOMPSON & CO.,
33, POPHAM'S BROADWAY.

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PREFACE.

The President of the Madras Corporation is also its Chief Executive Officer ; his nominal activities are multifarious, and comprise a certain superintendence of, or responsibility for, all work done on the Corporation's initiative and at its cost. The major portion of such work may be classified under the heads of (*a*) Finance, (*b*) Engineering, (*c*) Medicine ; and it is obviously impossible that any one person should possess the technical knowledge requisite to write a coherent report of what has been done under these heads in twelve months of the life of a large City. Partial recognition of this impossibility has secured for us in the Health Department a real report written by an officer conversant with the details of his business. The difference between the reports of Captain Russell or Dr. Macdonald and the official "Report of the President" is obvious : the former collate and draw inferences from facts ; the latter, compiled by many hands is merely, a bald and, I fear, somewhat uninforming paraphrase of statistical tables. In what follows I wish to record the impressions gathered during some twelve months' experience of the working of the Municipality. For this attempt I have been somewhat peculiarly fortunate, the just fates recompensing my failure to keep the town clean with the enforced leisure of typhoid, and ample opportunity for meditation on my own shortcomings.

2. To my mind before the Corporation can advance it must set its machinery in order. Its zeal for the good of the citizen may be taken for granted ; its projects of drainage, water-supply, infectious diseases hospitals, education, are high sounding and beneficent. But when promise is contrasted with performance, I fear that to the disinterested observer Madras somewhat resembles one that walketh in silk attire and lacketh bread.

3. The first need of the Corporation is a financial programme thought out sufficiently in advance. At present a budget is prepared by the executive and submitted to a special meeting of the Commissioners. A wandering and arid debate usually results in such budget being passed as it stands. That criticism is frequently sterile cannot be imputed as a fault to the Commissioners; in a public meeting it is practically impossible to pull a complicated balance sheet to pieces, and to get the figures together again in such a manner that incomings balance outgoings.

4. It is most desirable that the Corporation as a body should exercise a check upon the financial vagaries of the executive. But the present method of control is to my mind entirely faulty ; attempting to do too much the Commissioners as a body end by doing nothing.

5. At present all transactions (save those concerned with repair of roads) involving any considerable expenditure of money come before the General Body at its monthly meetings. Control thus exercised is illusory ; at a meeting which

starts at a late hour in the afternoon, when most of the members have a sufficient day's work behind them, and when matters of general policy are awaiting discussion, it is impossible to examine with any care a mass of figures, and—a most important point—to ascertain clearly how each new commitment affects the general financial position of the Corporation. The result is that the budget and the actual finance of the City are frequently as wide apart as the poles; too many alterations are made from day to day, too many schemes entertained without serious hope of ever bringing them to fruition.

6. For this, I venture to think, the remedy needed is a certain measure of devolution. Financial business, it is true, passes through the Standing Committee to the Corporation; but the Standing Committee, though it meets more often than the general body, works on the same faulty system. It endeavours to consider everything. If thirty-six men cannot successfully employ a bad method, there is no reason to suppose that eight men can.

7. Moreover there is, as things are, a certain element of unfairness in the relation of the Standing Committee to the Corporation. A member of the Standing Committee, if he has a great deal more work to do, undoubtedly enjoys a greater prestige than a member of the general body. With one Standing Committee this must inevitably be so; but there is no just reason why every member of the Corporation should not play a part more responsible than that of a critic in civic administration.

8. This is the theory of several committees as opposed to one. The financial committee which I have in mind would ascertain the views of individual members, and, concentrating itself solely on finance, would embody these views in a programme worked out at some leisure. In financial *policy* the general body would retain control, but the administration of this policy it would leave in the hands of the committee constituted solely for this purpose.

9. Before men can exercise their minds about finance, education or politics, they must live, and statistics prove that the Madras citizen too often fails to live. In other words the City, or its inhabitants, or both are unhealthy. For this a good many causes can be assigned, some, I fear, practically irremediable, some remediable partially if not entirely so. Chief among the former causes undoubtedly is the City's extreme flatness, which renders efficient drainage difficult. Poverty is theoretically remediable, but for a very long time it will constitute a formidable obstacle to sanitary reform. A large proportion of the population houses itself abominably for the simple reason that it cannot afford to house itself better. A man's roof should be sound, his floor impervious, his room ventilated and of a certain spaciousness. But when food and the scantiest measure of clothing have been provided, there remains but little out of Rs. 15—20 per month towards securing these accommodations.

10. Cleanliness, however, promotes health, and Madras undoubtedly might be a good deal cleaner than it is. This is not a discovery; for 30 years and upwards there has been hot recrimination about the failure of "the executive" to do its duty and "sweepe ye towne cleane and wholesome."

11. What were the conditions of thirty years ago I cannot say, but the blame for Madras' present unsavouriness may, I think, be apportioned fairly equally between "Executive" and "people."

12. At the bottom of the executive scale come the sweepers and scavengers. The prejudice of India has assigned to these worthy men a social position rather beneath that of a dog; and when a man has been treated consistently as a dog, it is hardly surprising if at times he exhibits certain doggish characteristics. The sweeper I have found in his lighter moments a companionable soul, but of responsibility or interest in his vocation he has no idea. For a meagre wage he will sweep fairly well so long as he is watched, but no emolument will induce him to sweep if left to himself. He has little or no instinct for cleanliness; probably it does not strike him that, apart from the capricious whim of his pay-master, there is any real reason for removing dirt from a street.

13. Above the sweepers come the overseers, a class faultily chosen and therefore unsatisfactory. For some unexplained reason it has been considered necessary that these men should have a training in "Hygiene and Sanitation."

The result is that the majority of our Conservancy Overseers are certificated Sanitary Inspectors, drawn from the class which in Europe finds occupation in "clerking." No one in Europe would choose a sewer foreman from the disappointed candidates for a bank clerk's post, yet practically we do it here.

14. At the head of all is the Health Officer. He is a doctor, selected for his qualifications to advise the Municipality on matters of epidemic diseases, standards of purity in food and drugs, vital statistics and such like scientific things. He is expected, as a side-line, to control eleven hundred turbulent street sweepers, much as a head-ganger at home controls a force of navvies. The expectation is not always realised.

15. On the side of "the people" the fault lies in failure to perceive the necessity for co-operation. A man cannot keep well simply by paying fees to a doctor if he disregards all ordinary rules of health; if half a million people heedlessly render the streets unnecessarily dirty eleven hundred scavengers, though paid, cannot possibly keep those streets clean.

16. Granted that conservancy labour is insufficient and somewhat unreliable, that supervision has been faulty, that the people fail to co-operate, it remains to consider what has been done and what may be done.

17. The facts relating to conservancy have been gathered together by the City Engineer and suggestions for a fairly complete remodelling of the whole system have been put forward. It is not proposed to rush into wholesale reform, but experiments are being tried along the lines indicated by Mr. Coats. Thus conservancy now has a full time Superintendent, the senior Assistant Health Officer having been relieved of all duties save that of supervising the sweepers. A great deal of time hitherto unprofitably spent by the rubbish carts in travelling to and from incinerators and other disposal grounds has been saved by unloading these carts in the town into two large motor lorries. These lorries run off in

twenty minutes from the centre of the town loads which formerly cost a dozen carts some hours' unserviceable journeying ; the carts meanwhile gathering up fresh loads from the streets.

18. Carriage by boat of night-soil from the Penitentiary to Korukupet has ceased. Whether the night-soil was dug in at Korukupet, or, as is more probable, dumped into the Cooum or Buckingham Canal, the results were uniformly bad. Trenching grounds in a City, perhaps anywhere, are an abomination. This night-soil is now brought by motor to a pail depot where it is properly treated and disposed of. A similar reform has been effected in what may be called the bungalow area of the town.

19. The sweepers will in all probability require more pay ; and sooner or later, and the sooner the better, the Corporation must face the necessity for a large construction of sweepers' lines. Conservancy overseers, as vacancies occur, should be chosen not because of their supposed educational qualifications, but for their willingness and power to supervise intractable labour in doing very unpleasant work. It is doubtful if the apparently obvious method of selecting "gangers" from the sweeper class would yet be practicable ; these people have so little sense of responsibility that one questions whether it would occur to a sweeper overseer that he should keep his gang at work unless watched by some one out of his own class.

20. On the side of "the people" a good deal has been done, but more remains to do. The complacent permission or instruction to children to defæcate in the streets and side drains must cease. Every house in the City is required to have latrine accommodation, and that accommodation should be utilised. Household rubbish should be collected by house owners, and thrown into rubbish carts, not into the streets. On this subject there has been a vast amount of acrimonious and extremely futile discussion. When conservancy labour is scarce and inefficient, the only hope for the citizen lies in co-operation. If the building rules are at all followed there is open space in every house, outside the living rooms, for a bin to contain the rubbish of a few hours' accumulation ; it is as easy to empty this rubbish into a cart as into the street. There is no doubt that popular co-operation in these directions has considerably increased in the last few months.

21. The syphons that connect house drains to sewers are a fairly constant source of worry. Part of the trouble is due to the slackness of the syphon-cleaners, part to a passion for scientific experiment which leads the Madras child to stuff stones, pieces of soda water bottles, clothes, wooden balls, &c., down his parents' syphon just to see what will happen. What does generally happen is a foul smelling inundation of the house, and a natural anger of the householder against the drainage department.

22. One considerable Municipal undertaking, the new waterworks, emerged from promise to performance during the year. The benefits of an adequate water-supply in an eastern city are so obvious that it is needless to descant thereon ; but much remains to be done before the full benefit of the scheme can be secured.

23. With the opening of the waterworks consumption rose suddenly from some ten million gallons per diem to nearly double that amount. That this consumption includes a considerable amount of waste is generally admitted. Such wastage must be due in part to leakage in old underground pipes which failed to stand increased pressure, but it is also caused in a great measure by defective fittings in almost every house where water is laid on. In his own interest, it is the duty of every householder to have his taps rendered water-tight ; the more water is saved from useless waste, the more there will be when it is really needed. And public feeling should be awakened against wanton waste : to quote one example of such waste, in a single flush-out latrine in the north of the City it was found that nine taps had been wrenched off the pipes, and water had been pouring unchecked from these pipes for at least a whole night.

24. Of special importance to the health of the City is the attempt to stamp out malaria. Malaria as is now generally agreed, is disseminated by mosquitoes ; and for these mosquitoes the tanks with which Madras is honey combed afford ideal breeding grounds. Though all tanks cannot be abolished, there are a great many which serve no useful purpose, and which, in the general interest of the City, should not be allowed a continued existence. The filling of tanks costs money ; the Corporation cannot possibly pay for all the work that is done, and it is only natural that the private citizen should be reluctant when called on to execute a sanitary improvement which may cost him anything from three hundred to three thousand rupees. The first efforts of the Corporation were met by a blank wall of opposition ; it is encouraging to note that a very considerable breach has been made in this wall. The Corporation and the public are advancing towards each other ; tank owners are beginning to recognise that it is for their own and for the general good that useless ponds and pits should disappear ; they expect, and with justice, some Municipal aid but the old attitude of refusal to incur any private expense is largely a thing of the past. In particular Mylapore, the favourite quarter of the educated Indian, is showing a gratifying enthusiasm for anti-malarial work and an increased willingness to contribute to its cost. The tact and persistence of Dr. Raghavendra Rao have contributed largely to this happy result.

25. The chimerical idea of filling up the water-logged area of Purasawalkum has been abandoned. The problem is being attacked from another side, and an Engineer specially appointed for the purpose is investigating the possibility of draining off the huge swamps in this area.

26. Better housing is naturally an important factor in the improvement of civic health. If housing is to improve the town must expand, and an essential of expansion is cheap communications. A hopeful augury for this expansion is the improvement that is becoming perceptible in the relations between the Corporation and the Madras Tramway Company. Conferences have done a good deal to soften acerbity, and the two bodies are beginning to see that their interests are identical rather than necessarily opposed. A programme of tramway extension has been drawn up and certain improvements in principle in existing tracks are being carried out. These improvements in the main consist in recognition of the facts that double tracking is essential to efficient working, and that

for the safety of the public and the general good of the roads tram tracks should be in the middle of the road, not tucked in against the citizens' door-step. Actual progress in improvement is slow, and is likely to be slow for sometime, war rendering it difficult or impossible for the Tramway Company to obtain steel rails, wheels, copper, etc., in fact all the materials most required for extension.

27. In all its undertakings the Corporation, to my mind, is seriously hampered by the fact that it is more or less hemmed in by a contractors' ring. No matter what may be the work on hand, be it laying of large water mains, lighting the City lamps, supplying food to the conservancy bullocks, the same tenderers appear with monotonous regularity. A considerable measure of slackness and inefficiency is the inevitable result. It is idle to threaten *A* with completion of his undone work at his expense by *B* ; *A* is probably at the moment engaged in doing something that *B* has left undone. As to the causes that have led to the formation of this ring, conjecture varies ; it may be that the Corporation habitually pays too little for its work, it may be that any attempt at outside competition is promptly stifled by combination on the part of the old contractors. In the interests of efficient work, it is most desirable that new blood should be introduced ; the most obvious way to do this is for a time to invite quotations from selected persons. Calling for tenders in the open market is theoretically excellent, but in present practice at any rate a delusion or a sham. For the Corporation the market is not open.

28. It only remains for me to express my appreciation of the cordial relations that have subsisted during the year between the Commissioners and myself. Breezes we have had at times, but such do us both a deal of good. Perpetual calm is merely another name for stagnation and lack of interest.

CORPORATION OF MADRAS,
12th August, 1915.

J. CHARTRES MOLONY,
President.

CORPORATION OF MADRAS.

Report of the President from 1st April 1914 to 31st March 1915.

Changes in the Constitution of the Corporation.

1. *Elections.*—As required by section 46 of the Madras City Municipality Act, 1904, the lists of persons qualified to be elected Municipal Commissioners and of those qualified to vote at such elections were revised with the result that 501 persons were registered as eligible for election as Municipal Commissioners and 12,648 as eligible to vote against 512 and 11,201, respectively, in the previous year. The percentage of persons qualified for election as Commissioners to the total literate in (English) adult male population of the City was 1·392 and that of persons qualified to vote to the total adult male population of the City—both literate and illiterate—was 8·059.

2. Three elective seats fell vacant during the year, owing to the expiry of the term of M.R.Rys. P. Parthasaradhi Nayudu Garu, T. Rangachariar Avargal and V. C. Seshachariar Avargal, Commissioners for the 10th, 13th and 20th Divisions, respectively. The elections for the 10th and 20th Divisions were contested and M.R.Rys. P. Parthasaradhi Nayudu Garu and K. N. Ayya Ayyar Avargal were elected. The number of persons who voted at these elections was 519 or 76·10 per cent. of the total number of registered voters. In the 13th Division, where the election was uncontested, the nominated candidate M. R. Ry. T. Rangachariar Avargal was held to have been duly elected under the proviso to section 39 of the Act.

3. *Representatives of the Chamber of Commerce.*—Mr. A. J. Leech and Mr. J. W. Crusha, who were appointed on 7th April 1914 and 3rd February 1914, respectively, continued to hold office during the year. The term of office of Mr. C. H. Straker having expired on 9th May 1914, Mr. A. J. Powell was appointed in his place on 9th June 1914.

4. *Representatives of the Trades Association.*—The Hon'ble Mr. R. M. Savege who was appointed on 6th January 1914, died on 30th June 1914 and Mr. C. J. Higgs was appointed instead on 18th August 1914. Mr. C. H. Higginbotham, who was appointed on 30th May 1911, resigned his seat on 17th April 1914, and Mr. G. U. Cuddon was appointed as his successor on 19th May 1914. Mr. A. C. Berryman, appointed on 29th August 1911, ceased to be a Commissioner on 29th August 1914, and Mr. D. Morrison was appointed in his place on 15th September 1914.

5. *Representatives of the Harbour Trust Board.*—The term of office of Khan Bahadur Muhammad Abdul Kuddus Badsha Sahib Bahadur, who was appointed on 23rd January 1912, expired on 23rd January 1915, but he was reappointed on 2nd March 1915.

6. *Representatives of the Madras and Southern Mahratta Railway Company.*—Mr. A. R. Stuart, who was appointed on 17th February 1914, resigned his seat on 15th September 1914 and Mr. L. H. Kirkness was appointed in his stead on 29th September 1914. The latter resigned his seat on 26th November 1914, and Mr. J. F. Fawcett was appointed successor on 15th December 1914.

7. *Nominations by Government.*—The Hon'ble Dr. T. M. Nair, M.D., Mr. E. R. Osborne, Lieutenant-Colonel C. Donovan, Major R. Bryson and Yaqub Hasan Sahib Bahadur continued to hold office during the year. The term of Mr. James Short expired on 25th April 1914, and the Hon'ble Mr. J. O. Robinson was appointed instead on 5th May 1914. The latter resigned his seat on 18th February 1915, and Mr. G. Fraser was appointed in his place on 20th April 1915. M.R.Ry. Rao Bahadur A. C. Pranatartihara Aiyar Avargal, I.S.O., who was appointed on 18th March 1913, resigned his seat on 3rd August 1914, and Khaja Khan Sahib Bahadur was appointed instead on 25th August 1914. The latter resigned his seat on 1st March 1915, and Mr. H. A. Hart was appointed to succeed him on 23rd March 1915. The term of Mr. C. B. Cunningham expired on 16th January 1915, and M.R.Ry. Dewan Bahadur M. Audinarayana Ayya Garu was appointed instead on 20th January 1915.

Reinstatement.

8. Under section 54 of the Madras City Municipality Act,1904, the following Commissioners lost their seats on the Corporation by failing to attend either three consecutive general meetings or six successive meetings. But they were reinstated under the proviso to section 55 of the Act.

Name.	Date of loss of seat.	Date of reinstatement.
M.R.Ry. P. M. Appaswami Pillai Avargal.	15th September 1914 ...	23rd October 1914.
Do. do. ...	19th January 1915 ...	16th February 1915.
Major F. Clarence Smith, F.R.C.S., M.B.	14th July 1914 ...	18th August 1914.
Mr. G. U. Cuddon ...	23rd October 1914 ...	17th November 1914.
The Hon'ble Dr. T. M. Nair ...	19th January 1915 ...	16th February 1915.

Executive Officers.

9. Mr. P. L. Moore, C.I.E., I.C.S., held the office of President until the afternoon of 23rd July 1914, when he handed over charge to me, having been appointed Inspector-General of Police. I continued to be President for the rest of the year, except from 19th October 1914 to 22nd December 1914, when I was absent on furlough, and Mr. E. S. Lloyd, I.C.S., acted for me from 30th October 1914 to 22nd December 1914. Captain A. J. H. Russell, I.M.S., acted as Health Officer until the afternoon of 30th June 1914, when Dr. W. R. Macdonald, the

permanent Health Officer,who was on combined leave from 13th December 1913, returned to duty. M.R.Ry. Rao Bahadur T. Vijayaraghavacharya Avargal, M.A., continued to be the Revenue Officer, and Mr. J. R. Coats continued to be the Engineer during the year. Mr. J. W. Madeley continued to be the Special Engineer for the design and execution of the Special Water and Drainage Works. Captain E. C. Hodgson, I.M.S., continued to be the Special Malaria Officer until the afternoon of 19th September 1914, when he left the Corporation having been ordered on military service. Captain A. J. H. Russell, I.M.S., succeeded him as Special Malaria Officer on 10th October 1914, but he was transferred to the General Hospital on 31st December 1914, and M.R.Ry. K. Raghavendra Rao Garu, B.A., M.B. C.M., was appointed as Special Malaria Officer from 1st January 1915.

Meetings.

10. During the year the Corporation held 23 meetings of which 12 were general meetings, five adjourned general meetings,five special meetings, and one adjourned special meeting. The average number of Commissioners, including the President, present at each meeting, was 26 as in the previous year. The percentage of attendance to the sanctioned strength was 71·9 among Divisional Commissioners, 63·0 among Institutional Commissioners, and 64·7 among nominated Commissioners as against 72·6, 65·7 and 66·2, respectively, in the previous year.

11. The Standing Committee met 31 times.

Committees and Sub-Committees.

12. (1) The Committee appointed by the Corporation on 21st August 1912, to consider and report on rule 15 of the Building Regulations, requiring the provision of one-third open space in the case of certain buildings, recommended the adoption of the revised rules drafted by the Engineer. These rules were approved by the Corporation on 2nd February 1915 with some modifications. The Government,to whom the rules as modified were submitted for sanction,have communicated the remarks of the Municipal Commissioner and Engineer of the Bombay Corporation, on the working of similar rules in that City, and have asked the Corporation of Madras to reconsider the whole matter in the light of the experience of Bombay. (Government Memorandum No. 3347-1 M., dated 9th July 1915.)

(2) The judgment of the High Court in the appeal in Major Meagher's case was favourable to Major Meagher; and he claimed compensation from theCorporation for having been deprived of the lease of the sewage farm before the expiry of the five years' term. A Committee consisting of the President, M.R.Ry. C. P. Ramaswami Ayyar Avargal, M.R.Ry. Rao Bahadur P. Tyagaraya Chetti Garu, the Hon'ble Mr. J. O. Robinson, Mr. J. W. Crusha, M.R.Ry G. A. Natesan Avargal, and M.R.Ry T. Rangachariar Avargal, was appointed by the Corporation on 25th November 1914, to consider and report on Major Meagher's claims. The Committee recommended

(i) that a compensation of Rs. 60,000 be paid to Major Meagher ;

(ii) that his security deposit of Rs. 3,000 be returned ; and

(iii) that the Corporation's claim against him for Rs. 6,969 be dropped.

These recommendations were approved by the Corporation on 15th December 1914, and the sum of Rs. 63,000 was paid to Major Meagher on 21st December 1914.

(3) A Committee consisting of the President, Mr. J. O. Robinson and M.R.Rys. Rao Bahadur P. Tyagaraya Chetti Garu, K. N. Ayya Ayyar Avargal and P. M. Sivangnana Mudaliyar Avargal, was appointed by the Corporation on 15th December 1914, to meet the representatives of the Tramway Company and the officers appointed by Government, to discuss the question of the extension of tram lines in the City for the convenience of those desirous of residing in suburbs outside the City. The Committee reported that, in their opinion, the extension of the system might proceed as follows :—

Replacement of the Chintadripet section by a line running down Body Guard Road, then

i. A line running from Thousand Lights to the Law College.
ii. A line running north in the direction of Tiruvottiyur.
iii. Extension of the Mylapore line to the Adyar Tollgate.
iv. Extension along Poonamallee Road.
v. Extension towards Perambur.

The report was adopted by the Corporation and forwarded to Government.

(4) A Committee consisting of the President, M. R. Ry. P. M. Sivangnana Mudaliyar Avargal and M. R. Ry. K. N. Ayya Ayyar Avargal was appointed by the Corporation on 15th December 1914, to meet a Conference consisting of Mr. James Gray, the Managing Director of the Madras Electric Tramways, Ltd., and officers appointed by Government, and discuss the question of the realignment of the tramway line in Chintadripet. The Committee recommended the proposal that a new line should be laid along the Body Guard Road and Mount Road. The Corporation approved of this proposal and in Memorandum No. 5948-3 M., dated 23rd January 1915, the Government requested the Corporation to submit in consultation with the Tramway authorities detailed proposals for the alignment of this new line. The plans received from the Tramway Company were forwarded by the Corporation to Government with the recommendations that the Government House Bridge and Penitentiary Bridge should be widened sufficiently to admit of a double track and footpaths on each side of the road, that there should be no centre posts, that all the lines should be in the centre of the road, and that steps should be taken to prevent the protruding of the rails above the surface of the road. The orders of Government are awaited.

(5) A Committee consisting of the President, the Hon'ble Mr. J. O. Robinson, and M. R. Ry. C. P. Ramaswami Ayyar Avargal (with the Engineer to assist the Committee) was appointed by the Corporation on 19th January 1915, to confer with the representatives of the Madras Electric Supply Corporation in view

to arriving at a settlement in regard to the dispute regarding the incidence of the cost of laying distributing mains in streets for electric lighting. An agreement was arrived at between the Committee and the Managing Director of the Electric Supply Corporation, Mr. James Gray. The terms of this agreement were subsequently ratified by the Corporation and the Electric Supply Corporation. The Government have also accorded their approval in G. O. No. 983-M., dated 3rd July 1915, and an agreement embodying these terms has been received from the Electric Supply Corporation and is being scrutinized.

(6) A Committee consisting of the President, M.R.Rys. C. P. Ramaswami Ayyar Avargal, T. Rangachariar Avargal, S. Guruswami Chetti Garu, Rao Bahadur P. Tyagaraya Chetti Garu, G. A. Natesan Avargal, and K. N. Ayya Ayyar Avargal, Mr. J. W. Crusha and Mr. E. R. Osborne was appointed by the Corporation on 19th January 1915 to investigate the allegations of corruption in connection with the contract for the construction of the Ripon Buildings and submit a report. The report of the Committee was adopted by the Corporation on 27th April 1915, and submitted to Government by whom it has been recorded.

(7) His Excellency the Governor of Madras offered to provide prizes for a competition for the best design for the construction of model dwelling houses for the poor. A Committee consisting of the President, the Hon'ble Dr. T. M. Nair, and M.R.Ry. Rao Bahadur P. Tyagaraya Chetti Garu was appointed by the Corporation to frame conditions for this competition. These have been framed and are under consideration.

(8) A Sub-Committee consisting of the President, Mr. J. W. Crusha and M.R.Ry. G. A. Natesan Avargal was appointed by the Standing Committee on 20th November 1914, to consider and report on the proposals of the Engineer regarding the rent to be charged for fixing meters to house connections and the fees to be charged for testing meters, and for making house connections, &c., in accordance with the new Waterworks Regulations. The Sub-Committee's recommendations were approved by the Standing Committee on 19th March 1915, and by the Corporation on 20th April 1915.

(9) A Sub-Committee consisting of the President, Mr. C. J. Higgs and M.R.Ry. K. N. Ayya Ayyar Avargal was appointed by the Standing Committee on 12th March 1915, to consider and report the powers which should be delegated to the Special Engineer and his Assistants. The Sub-Committee recommended the delegation of some powers to the Special Engineer, but reported that it was unnecessary to grant any special powers to his Assistants. The recommendations of the Sub-Committee were approved by the Standing Committee on 14th May 1915, and by the Corporation on 22nd June 1915 ; and the Government have been addressed on the subject. An amendment of the Act would be necessary for the grant of some of the proposed powers to the Special Engineer.

Tramways.

13. The stage which the correspondence regarding the removal of the line in Chintadripet has reached, is mentioned in paragraph 12 (4). The land required for the improvement of the corner of Choolai Bazaar Road is under acquisition. When this has been acquired, double track will be laid in Choolai Bazaar Road.

The Committee appointed in G. O. No. 684-M., dated 31st March 1914, to report what improvement should be made to render tram cars suitable and safe, recommended a device for closing the off-side of open-sided cars. The Government ordered that six cars be fitted up with this device and tried before other cars are similarly fitted. The Committee reported on 6th February 1915, that the device proved fairly efficacious and was likely to become more so after being more generally adopted and better known by the public; and the Government have since the close of the year ordered that six other open-sided cars should be fitted with a new device suggested by the Commissioner of Police for closing the off-side of cars and tried for two months from 1st August 1915.

Resolutions of the Corporation.

14. The following are among the more important resolutions passed by the Corporation during the year :—

(1) *Resolution of 21st April* 1914 :—The Corporation passed the following resolution:—

"That the Corporation considers it is desirable that the Budget Statement of figures placed before it for approval and sanction should be accompanied by a memorandum or explanatory statement calling attention to the material portions of the Budget Statement, to the important changes proposed for the year, under the various heads, and to the schemes that are contemplated for the year and giving such other information as is necessary or desirable to enable the Commissioners to follow the figures presented."

(2) *Resolution of 29th May* 1914:—In Government Memorandum No. 1099-2, Public, dated 5th March 1914, the Government enquired whether the Corporation foresaw any practical difficulties in giving effect to a proposal which the Government had under consideration, *viz.*, that the Surgeon, 4th District, be relieved of the charge of the Royapettah Hospital; that Government subordinates now employed there should be withdrawn; that the Corporation should make its own arrangements to staff the Hospital; and that the Government should contribute to the Corporation an amount equivalent to the salary of the Medical Officer appointed to hold charge of the Hospital and the salaries of the medical subordinates now paid from Provincial funds. The Corporation resolved that the proposal be accepted. The Government were informed accordingly, but no orders have yet been passed on the subject.

(3) *Resolution of 29th May* 1914:—With reference to Government Memorandum No. 6-1 M., dated 24th January 1914,referred to in paragraph 14 (8) of the previous year's report, the Corporation passed a resolution the the system of compulsory notification of tuberculosis should be introduced and the medical practitioners who notify the decease paid a fee of one rupee for each verified case, but that the introduction of the system should not take place until after the provision of a tuberculosis dispensary and a sanatorium. This was communicated to Government and their orders are awaited.

(4) *Resolution of 29th May* 1914 :—The Corporation resolved that the cost of alterations of house drains and of the connection of the house drains to the silt catcher or trap, involved in the carrying out of the City Drainage scheme should

be part of the expenses of the Drainage Works. But the Government pending the amendment of the Act, have sanctioned the adoption of this course only in Tondiarpet, Georgetown, Ice House Road and Napier Park areas, and in places where it is found necessary to relay collapsed sewers.

(5) *Resolution of 29th May* 1914 :—The Corporation resolved that Indian Engineering students who may undergo practical training in the Corporation may be taken as junior assistants in the Special Works Department on a pay of Rs. 150—10—200 per mensem, if after a year's training they are found useful and satisfactory and that the total number of such students who may be taken as junior assistants be limited to three. Two Indian students have accordingly been appointed Junior Assistant Engineers in the Special Works Department.

(6) *Resolution of 20th July* 1914.—The Corporation considered, at the instance of Government, what their financial condition would be at the end of the next ten years and passed a resolution—

(1) that the tax on motor vehicles be revised so as to bring in an estimated increase of about Rs. 10,000,

(2) that the profession tax be revised, so as to bring in an estimated additional income of Rs. 50,000,

(3) that a terminal tax be levied,

(4) that provision be made in the Act for taxing the Port Trust, and

(5) that the period of repayment of loans be increased at once to 60 years.

The resolution was communicated to Government.

(7) *Resolution of 18th August* 1914.—The Corporation approved of the proposals of the Health Officer that ten midwives be trained in the Government Maternity Hospital, that a stipend of Rs. 10+1 (teaching fee) per mensem be paid to each woman during training, that before being sent for training each woman should enter into an agreement with the Corporation to work in the city for a period of five years, and that a small subsidy be allowed to each midwife after training for a period of from six months to one year to enable her to work up a practice. The Superintendent, Government Maternity Hospital, who was addressed on the subject, was willing to select and train capable women, but was unable to provide accommodation for them. The Government were then asked whether they would be pleased to construct quarters for them, but they replied that the Corporation should arrange for the training of the midwives at Raja Sir Ramaswami Mudaliyar Lying-in-Hospital. An estimate was accordingly sanctioned by the Corporation on 19th January 1915 for the construction of additional quarters for nurses in this hospital.

(8) *Resolution of 18th August* 1914.—The Corporation approved the proposals of the Registrar of Co-operative Societies (1) that the new sites in Royapettah to be acquired by the Corporation for the accommodation of the people evicted from Suparigunta Paracherri (estimated to cost Rs. 125 a site) be made over by the Corporation to private individuals who are members of a Building Society at Rs. 50 per site, the total value of the sites being treated as a loan to

the Building Society from the Corporation carrying 4 per cent. interest and to be redeemed by equal payments spread over 10 to 15 years and (2) that the occupants of the houses in Suparigunta Paracherri already acquired by the Corporation be left undisturbed for a period of about six months so that if they choose fresh houses could be built for them by a Building Society in the meanwhile.

The resolution was communicated to the Registrar of Co-operative Societies, but nothing further has been heard from him on the subject.

(9) *Resolution of 25th August* 1914.—The Corporation resolved that bylaw 270 should be amended as follows :—

" Without the sanction of the President no person shall for the purpose of obtaining earth or sand make any such excavation as causes stagnation of water. An appeal shall lie to the Standing Committee against any refusal of the President to grant such sanction." The orders of Government are awaited.

(10) *Resolution of 25th August* 1914.—The Corporation refused to recognise as a principle that they were bound to pay any portion of the cost of filling private tanks, &c., but stated that the question whether the whole or a portion of the cost of filling up should be provided by the Corporation might be considered in exceptional cases.

(11) *Resolution of 25th September* 1914.—With a view to improve the conservancy of the city and check the further spread of the cholera epidemic the Corporation passed the following among other resolutions :—

(1) " that tenders be called for, for the supply of necessary labour for maintaining the full complement of conservancy coolies ; (2) that the work of cleaning the syphons be transferred from the Health Officer to the Engineer ; and (3) that the Health Officer do furnish to the Commissioners a weekly bulletin specifying the particular localities in which cholera cases occur."

The tender of Messrs. A. Narasier and A. S. Krishnaswami Aiyar for the supply of conservancy coolies for all the four conservancy depots of the North Range was accepted by the Corporation on 15th December 1914 ; and the contract commenced from 1st March 1915. But the system proved a failure and even the existing coolies refused to work under the contractor. The contract was therefore cancelled by the Corporation.

The work of cleaning the syphons was taken over by the Engineer on 1st March 1915 and placed under the charge of the Sewer Foreman.

(12) *Resolutions of 25th September* 1914 *and 17th November* 1914.—The Corporation resolved that the Engineer be relieved of all office, routine and signing work for three months from 1st January 1915 in order to enable him to formulate proposals for remodelling the working of the conservancy department. The Engineer has, since the close of the year, submitted his report on this subject and copies of it have been circulated to Commissioners.

(13) *Resolution of 19th Janaury* 1915.—The Corporation approved of the rules proposed for the prevention of defalcations such as those which occurred in the Health Department.

(14) *Resolution of 16th February* 1915.—The Corporation resolved that, in future, Corporation money should not be advanced to any officers of the Corporation for the purchase of conveyances.

(15) *Resolution of 23rd March* 1915.—The Corporation approved of the present practice of the officers of the Corporation purchasing petrol from the stores at the reduced price for which it is obtained by the stores from the Asiatic Petroleum Company.

(16) *Resolution of 23rd March* 1915.—The Corporation passed the following resolution :—

" That in the case of all Corporation contracts no order to commence any kind of work or the supplying of any kind of materials as the case may be, be given unless the contractor has duly executed the necessary agreement or the President has for any special reasons authorised in writing the commencement of the work or supply of materials."

Revenue Administration.

15 The work of the Revenue Department continued to be satisfactory and there was a further marked increase in the revenues of the Corporation during the year under report. The current revenues under the combined operty taxes and the tax on vehicles rose by Rupees. 1,15,265-2-7 of which Rs. 32,138-4-2 represent the amounts realised from Government in respect of their civil buildings which were the subject of appeal for a long time, Rs. 81,015-6-5 from general and cursory revisions under building and land taxes, and Rs. 2,111-8-0 from tax on vehicles with springs. In spite of the dullness of trade consequent on the war, there was only a small decrease of Rs. 1,633-13-1 under tax on arts as compared with the previous year. The fall under tax on animals by Rs. 2,444-12-0 was due to the increase in the number of motor vehicles. Thus, the net total increase in the current revenues under the principal taxes mentioned above, *viz.*, the property taxes, tax on arts, tax on vehicles and animals amounted to Rs. 1,11,186-9-6 against Rs. 56,988-4-2 in 1913-14. There was a marked increase of Rs. 69,011-8-3 in the arrear collections under the combined property taxes which was due to the realisation of Rs. 64,276-8-4 from Government in respect of their civil buildings under appeal for the years 1912-13 and 1913-14.

The appeal on Government military buildings has not yet been disposed of, the amount involved under this head being Rs. 21,498-8-2 for the years 1912-13, 1913-14 and 1914-15.

In the year under report the taxes were collected without resort to warrants except in the last resort as was done in the second half of the last year, the number of warrants issued in the year under report being only 10,588 against 52,263 in 1913-14. The fall in the percentage of current collections to the demand under taxes was due tc the unfavourable conditions prevailing in the city consequent on the continuance of the war. With reference to a resolution moved in the Corporation, a sum of Rs. 1,372-6-11 including Rs. 8-4-1 under arrear was remitted under section 117 of the Act, the owners having become too poor to pay the taxes on account of the adverse conditions produced by the war

Finance.

Capital Account.

16. The year opened with a balance of Rs. 9,19,068-14-9. The receipts for the year amounted to Rs. 11,06,841-12-9, which includes a free grant of Rs. 5,00,000 from Government for the improvement of water-supply and drainage, a loan of Rs. 5,50,000 for the construction of special buildings and for the extension of electric lights in the City, an interest of Rs. 55,030-0-5 on investment of the surplus fund, and recovery of Rs. 1,811-12-4 from advances made in the previous years. The total receipts, including the opening balance, were Rs. 20,25,910-11-6. The total expenditure was Rs. 12,24,061-13-3, and the balance left at the close of the year was Rs. 8,01,848-14-3.

Revenue Account.

17. The year under report opened with a balance of Rs. 8,34,126-3-10 against Rs 5,95,958-11-5 in the previous year. The Corporation received special grants amounting to Rs. 4,75,000 from Government for anti-malarial operations (Rs. 3,00,000), the acquisition of land for a new sewage farm (Rs. 1,25,000), and the construction of model cow-houses (Rs. 50,000). The revenue from all sources, inclusive of the Government grant, amounted to Rs. 33,11,397-4-10 against Rs. 30,04,824-1-2 in 1913-14. The total receipts for the year including the opening balance were Rs. 41,45,523-8-8 against Rs. 36,00,782-12-7 in the preceding year. The net income of the year, after deducting the opening balance and the Government grant, was Rs. 28,36,397-4-10 against Rs. 27,16,824-1-2 in the previous year, thus showing an increase of Rs. 1,19,573-3-8. Towards the net income of Rs. 28,36,397-4-10 specified above, the Municipal taxes contributed Rs. 20,23,650-1-3 and Municipal fees and Miscellaneous receipts Rs. 8,12,747-3-7 against Rs. 18,41,119-13-6 and Rs. 8,75,704-3-8, respectively, in 1913-14. The total expenditure of the year was Rs. 30,97,047-5-0 against an estimate of Rs. 33,85,730 and against the actuals of Rs. 27,66,656-8-9 in the previous year. The balance remaining at the close of the year was Rs. 10,48,476-3-8.

Tax on Professions, Arts, Trades and Callings under Section 120.

Current.

18. The gross current demand under this head of taxation is Rs. 1,67,953-2-11 against Rs. 1,68,827-8-0 in the previous year. After deducting the subsequent remissions and reductions on appeal, the net demand amounted to Rs. 1,67,903-2-11 against Rs. 1,68,827-8-0 for the preceding year or Rs. 924-5-1 less than that of last year. The number of items of assessment are 13,587 against 13,795 of last year. The decrease is due to unfavourable conditions prevailing in trade consequent on the war.

19. *Appendix I, statement IV-C* shows the assessments for the year under report classified under the several classes of the Profession Tax schedule and compares them with those of 1913-14. During the year, 34 objections to the assessments were received as against the same number in the previous year. These

were disposed of at four sittings of the Appeal Board, constituted under section 172 of the Act, with the result that in 26 cases, including two cases relating to arrears of 1913-14, the assessments were confirmed, in six cases the assessments were reduced, and in two cases the assessments were cancelled.

One appeal was preferred to the Presidency Magistrates under section 175 of the Act against the decision of the Appeal Board, but it was withdrawn by the appellant.

One suit for the recovery of Rs. 5 was filed in the Court of Small Causes but it was subsequently withdrawn, as the defendant left the City and his whereabouts could not be traced.

20. The current collections of the year amounted to Rs. 1,66,325-10-11, inclusive of Rs. 10 received in advance for the first half year of 1915-16, against an estimate of Rs. 1,59,400 and against Rs. 1,67,959-8-0 actually collected in the previous year. The balance left uncollected at the end of the year was Rs. 1,587-8-0 inclusive of Rs. 422-8-0 being the profession tax due on Military Officers paid by Government after the close of the year, against Rs. 868 in the previous year. Out of this balance, Rs. 1,534-8-4 has since been collected and Rs. 0-7-8 has since been written off by the Standing Committee as irrecoverable, leaving Rs. 52-8-0 for further recovery and adjustment. The percentage of collections to the demand was 99·05 against 99·49 in 1913-14. The incidence of taxation per head of the population was Re. 0-5-2 against Re. 0-5-3 in the previous year.

Arrear.

21. The arrear demand oustanding at the beginning of the year was Rs. 1,033, which by subsequent assessments rose to Rs. 1,905-8-0 as against Rs. 1,659-2-0 in 1913-14 This demand was reduced to the extent of Rs. 247-8-0 by remissions and reductions on appeal and the net arrear demand amounted to Rs. 1,658. Of this, Rs. 1,606-4-3 was collected during the year and Rs. 1-11-9 was written off as irrecoverable, leaving Rs. 50 uncollected at the close of the year. Out of this balance, Rs. 2-8-0 has since been collected and a sum of Rs 5 has since been written off by the Standing Committee as irrecoverable and a claim for Rs. 37-8-0 registered in the office of the Official Assignee in 1912-13 is still pending payment, thus leaving Rs. 5 still to be recovered. Three suits for the recovery of Rs. 17-8-0 of the arrear demand were filed in the Court of Small Causes, with the result that in two cases the suits were withdrawn as the tax was paid in the Court on or before the date of hearing and, in the other case, the suit was withdrawn as the summons was returned unserved. The percentage of collections to the demand was 96·86 against 86·03 in the previous year.

House, Water and Drainage and Lighting Taxes Combined.

Current.

22. The gross current demand under the consolidated rates levied on buildings and lands amounted to Rs. 16,53,135-15-2 against Rs. 15,70,971-11-1 in the preceding year. The gross increase of Rs. 83,751-14-4 over the net demand

of the previous year was due to revaluations and revision of assessments made during the year as particularised below :—

Rs. 39,306-6-1 to the general revision of assessments in Divisions 4, 5, 6, 7 and 11, of which the revision of 4th and 11th Divisions had effect only in the second half of the year ; Rs. 11,873-7-5 to assessments imposed on new buildings ; Rs. 4,420-7-3 to the enhancement of assessments on buildings on account of alterations and improvements ; and Rs. 28,151-9-7 to enhancements made in 1913-14, which had effect only for one half of that year, against a full year in the year under report.

23. During the year, 7,573 notices were issued under section 137 on account of enhancement of valuations and assessments newly imposed against 5,136 in 1913-14; 396 appeals were preferred against these enhancements and assessments and 41 against the standing assessments, making a total of 437 appeals against 246 in the previous year. These appeals were heard at five sittings of the Appeal Board constituted under section 172 of the Act, with the result that in 238 cases the assessments were reduced, the aggregate reduction amounting to Rs. 1,591-1-10 and in 199 cases the assessments were confirmed. Nine appeals were preferred to the Presidency Magistrates under section 175 of the Act against the decision of the Appeal Board ; in one case, the valuation as fixed by the Board was reduced by the Magistrates, the reduction amounting to Rs. 10-10-5 and in the remaining eight cases, the decision of the Appeal Board was upheld.

24. The net increase after deducting the reductions made by the Appeal Board and the Magistrates was Rs. 82,150-2-1 against Rs. 53,333-10-7 in the preceding year, and the net demand amounted to Rs. 16,51,534-2-11 against Rs. 15,69,384-0-10 in the previous year.

The net current collections amounted to Rs. 15,93,403-4-5 against Rs 14,69,099-11-5 in 1913-14. This figure includes a sum of Rs. 9,972-8-8 paid in advance in 1913-14 for the year under report and excludes a sum of Rs. 4,282-12-6 received in advance in the year under report for the ensuing year, as well as a sum of Rs. 1,140-2-2, which remained undisbursed at the end of the year out of the amounts refundable to parties in consequence of the reduction of assessments allowed on appeal. A sum of Rs. 14,647-6-7 was remitted on account of vacancy, under section 142 of the Act and other causes against Rs. 14,267-15-0 in 1913-14 and Rs. 1,364-2-10 was remitted under section 117 of the Act as per resolution of the Corporation, on account of adverse conditions produced by the war. The balance left outstanding at the end of the year (after excluding Rs. 7,169-11-6 due by Government in respect of Military buildings under appeal) was Rs. 34,949-9-7 against Rs. 14,401-0-11, at the end of 1913-14.

The percentage of collections to the demand (exclusive of the sum due by Government, Military Department) was 96·90 against 98·00 in the previous year. Throughout the year, the practice inaugurated in the second half of the previous year was continued and the bulk of the collections was made without issue of warrants, only 9,155 warrants having been issued as against 47,896 in the previous year. The incidence of taxation per head of the population was Rs. 3-2-11 against Rs. 3-0-5 in 1913-14.

25. The total current demand, collection, remission and balance under the combined property taxes, as compared with the corresponding figures for the previous two years, are exhibited in Appendix I, Table No. I.

Arrear.

26. The arrear balance at the beginning of the year was Rs. 1,58,644-6-4 which by subsequent amendments was reduced to Rs. 92,557-4-1. Of this demand, a sum of Rs. 76, 184-15-3 was realised during the year and Rs. 777-3-10 was remitted on account of vacancy and other causes, Rs. 8-4-1 was remitted under section 117 of the Act on account of adverse conditions produced by the war and Rs. 5-5-2 was written off as irrecoverable. The balance left outstanding at the end of the year was Rs. 15,581-7-9 which includes Rs. 14,328-12-8 due by Government in respect of Military buildings under appeal. The percentage of collections to the demand (exclusive of the sum due by Government, Military Department and the amount covered by decrees) was 97·42 against 91·80 in 1913-14.

27. The total demand, collection, remission and balance under arrears, as compared with the corresponding figures for the previous two years, are shown in Appendix I, Table No. 2.

28. Out of the total balance of Rs. 36,202-4-8 outstanding at the end of the year, *viz.*, Rs. 34,949-9-7 under current and Rs. 1,252-11-1 under arrear (exclusive of the sum due on Government Military buildinigs under appeal) a sum of Rupees 29,463-8-3 has been collected and adjusted up to the end of June 1915 leaving a sum of Rs. 6,738-12-5 for recovery and adjustment in the course of the year.

29. The details relating to each of the combined property taxes dealt with above, *viz.*, House, Land, Water and Drainage and Lighting taxes are exhibited separately in Appendix I, statements IV A and B.

Tax on Vehicles with Springs and on Animals under Section 150.

Current.

30. The net demand under this tax rose from Rs. 1,11,894-8-0 to Rs. 1,12,194-14-0 or by Rs. 300-6-0.

31. Appendix I, Table No. 3, compares the number of vehicles and animals assessed for the year 1914-15 under the several classes of Schedule VI of the Act, with the corresponding figures for the previous year.

32. The current collections inclusive of Rs. 2,356 received in advance for the ensuing year, amounted to Rs. 1,10,069-10-0. The net collections for the year were thus Rs. 1,07,713-10-0 which with Rs. 1,742-8-0 prepaid in the previous year on account of taxes due for the year under report amounted to Rs. 1,09,456-2-0 against an estimate of Rs. 1,07,600-0-0. The balance left uncollected at the close of the year was Rs. 2,738-12-0 and of this sum Rs. 1,530-8-0 has since been collected leaving Rs. 1,208-4-0 for further recovery and adjustment. The percentage of collections to the demand was 97.63 for vehicles and 97·40 for animals.

against 98·37 and 98·11 respectively in the previous year. The incidence of taxation per head of the population was $\frac{\text{Re. 0-2-4 for vehicles}}{\text{Re. 0-1-2 for animals}}$, the corresponding figures for the previous year being $\frac{\text{Re. 0-2-3 for vehicles}}{\text{Re. 0-1-3 for animals}}$.

Arrear.

33. The arrear demand at the beginning of the year both under vehicles and animals was Rs. 2,082-14-0 which by subsequent amendments and additions rose to Rs. 2,600 2-0. Of this sum assessments amounting to Rs. 834-15-8 were found on investigation to be erroneous and were consequently cancelled and the actual demand stood at Rs. 1,765-2-4. Of this amount Rs. 1,659-14-4 was collected leaving a balance of Rs. 105-4-0 at the close of the year. The percentage of collections to the demand was 93·47 for vehicles and 94·98 for animals against 83·46 and 90·87, respectively, in the previous year.

Tax on Carts and other Vehicles without Springs under Section 158.

Current.

34. The demand under this tax, amounted to Rs. 32,016 against Rs. 32,091 in the previous year. The number of carts voluntarily offered for registration was 7,547 against 8,186 in the previous year, and the number seized under section 162 for non-registration rose from 2,511 to 3,125. Of the 3,125 carts seized, 3,101 were released on payment and 16 were sold by public auction in default of payment, leaving 8 carts for disposal at the close of the year.

35. The current collections inclusive of Rs. 1,629 received in advance for the ensuing year amounted to Rs. 32,294-9-5. The net collections excluding the advance payment were Rs. 30,665-9-5 which with Rs. 1,317 collected in the previous year towards the demand for the year under report amounted to Rs. 31,982-9-5 against Rs. 32,004-8-10 in 1913-14. A sum of Rs. 3 was refunded leaving a balance of Rs. 30-6-7 at the close of the year. Out of this sum, Rs. 6-6-7 represent the difference between the taxes payable and the amount realised by sale in the case of 6 out of the 16 carts referred to above and Rs. 24 are the taxes on 8 carts seized and awaiting disposal at the close of the year. The percentage of collections to the demand was 99·89 against 99·73 in 1913-14. The incidence of taxation per head of the population was Re. 0-1-0 as in the previous year.

Arrear.

36. The arrear demand at the beginning of the year was Rs. 9 which by subsequent amendments rose to Rs. 195. Of this sum Rs. 180 was collected and Rs. 9 was refunded leaving a balance of Rs. 6 being the tax on 2 carts seized and awaiting disposal at the close of the year.

Tolls on Vehicles and Animals entering Municipal Limits.

37. The right of collecting tolls for the year under report was put up to public auction and sold for Rs. 46,300-0-0 against Rs. 45,100-0-0 in the previous year.

The total amount recovered during the year amounted to Rs. 46,475-6-8 which includes interest paid for overdue instalments.

The incidence of tolls per head of the population was Re. 0-1-5 or the same as in the previous year.

Revenue derived from Municipal Property and Powers apart from Taxation.

Rent of lands and buildings.

Current.

38. The demand under this head for the year was Rs. 31,936-4-11 against Rs 27,928-9-7 in the preceding year. The increase was partly due to the rents realised from the properties acquired in Suparigunta Paracheri, 17th Division and in other places and partly to the leasing of more lands during the year. The collections amounted to Rs. 30,805-4-10 against Rs. 27,514-14-9 in 1913-14. The amount shown as collected excludes a sum of Rs. 972-4-3, being 50 per cent. of the rents collected from certain lessees on Wall Tax and Basin Bridge Roads, which was paid to Government under G. Os. Nos. 32 & 878, Revenue, dated 6th January 1902 and 22nd August 1903, respectively. The balance outstanding at the end of the year was Rs. 1,131-0-1, of which a sum of Rs. 651-12-8 has since been collected. The percentage of collections to the demand was 96·46 against 98·52 in 1913-14.

Arrear.

39. The arrear outstanding at the commencement of the year was Rs. 418-13-6 which by subsequent assessments rose to Rs. 797-14-4. Of this sum, Rs. 719-15-5 collected leaving a balance of Rs. 77-14-11 at the close of the year for realisation.

The percentage of collections to the demand was 90.23 against 93·51 in the preceding year.

Payment for Occupation of Municipal Lands under Section 408.

Current.

40. The demand under encroachments amounted to Rs. 5,112-12-0 against Rs. 4,943-0-0 in the previous year. The collections from trash sellers amounted to Rs. 1,055-5-0 against Rs. 1,075-12-6 in the preceding year. The fall under this head was again due to the stringent measures adopted by the Health Department on sanitary grounds against roadside vendors.

The total demand under the above two heads amounted to Rs. 6,168-1-0, against Rs. 6,018-12-6 in 1913-14, and of this amount a sum of Rs. 6,096-14-0 was collected leaving a balance of Rs. 71-3-0 uncollected at the end of the year against Rs. 56-12-0 in 1913-14. Of this balance, a sum of Rs. 50-0-0 has since been collected. The percentage of collections to the demand was 98·85 againt 99·05 in the previous year.

Arrear.

41. The arrear outstanding at the beginning of the year was Rs. 61-6-0 which, with supplemental charges, rose to Rs. 63-1-6. Of this sum, Rs. 29-9-6 were collected and Rs. 27-6-0 remitted, leaving a balance of Rs. 6-2-0 at the close of the year for realisation and adjustment. The percentage of collections to the demand was 82·87 against 94·08 in the previous year.

42. *Grass Farm, Tondiarpet.*—The Corporation grass farm was worked departmentally and the total receipts from all sources including Rs. 120-13-4 from the abandoned sewage farms, amounted to Rs. 37,438-1-1.

There was a small curtailment of the farm by about 11 grounds 256 sq. ft. due to the erosion of the sea. The total irrigable area of the farm is 94 cawnies, 20 grounds and 819 sq. ft.

By a resolution of the Corporation dated 21st April 1914, cattle grazing on the chappar portion of the farm was discontinued from 21st May 1914, a measure which resulted in a decrease of about Rs. 8,000 in the receipts for the year.

The total expenditure on the maintenance of the farm amounted to Rs. 24,631-3-5, this sum excludes Rs. 60,000 paid to Major Meagher in settlement of his claims against the Corporation.

The policy of filling up ponds and swamps has been continued. Twelve tanks were filled up during the year under review and the levels of three cocoanut groves raised to that of the adjoining ground.

The ground adjoining the Hindu Burial ground which consisted of low lying land overgrown with shrubs, rank vegetation and pampas grass from 3 to 5 feet high has been completely improved and replanted with hariali.

Open earthen channels which were tried experimentally for the conveyance of sewage in place of the semi-circular cement pipes in use, have been found to work most satisfactorily. The cement pipes in the farm are being gradually removed and replaced by earthen channels and this is specially noticeable in the portions of the farm improved during the year.

A large portion of the chappar enclosure has been improved, the chappar having been entirely eradicated and the ground raised and replanted with hariali. This has resulted in an area of a little more than 47 cawnies of land being brought under cultivation of hariali. The northern portion of the chappar enclosure is under improvement and when this is completed the entire farm will be under cultivation of hariali.

The farm has materially improved and as soon as the works now in progress are completed it may be assumed that the outturn will be more than doubled and the revenue therefrom looked to as a valuable asset to the resources of the Corporation.

43. *Moore Market.*—The income amounted to Rs. 18,898-13-10 against an estimate of Rs. 19,000.

Under the orders of the Standing Committee, the right of collecting rents from the Fowls stalls in the Moore Market for one year from 1st June 1914 was sold in auction and the lease was given to one Abdul Majid Khan Sahib, the highest bidder, for Rs. 330 per month. He made default in the payment of rent and the contract was terminated in October. The lease was resold in auction for seven months from November on a monthly rent of Rs. 220 and steps are being taken to recover the loss caused by his default.

44. *The New Guzili Bazaar.*—The collections amounted to Rs. 13,672-8-6 against an estimate of Rs. 13,000. The demand was fully realised within the year.

45. *Private markets.*—There were 44 markets in the city and the fee collected amounted to Rs. 3,700 against Rs. 3,750 in the previous year.

46. *License fees on Import of Timber and Firewood.*—The gross collections under this head amounted to Rs. 1,89,827-6-4, which includes a sum of Rs. 2,864-11-6 relating to the previous year in the hands of the collecting agencies and paid in during the year under report and excludes Rs. 3,969-7-6, the fees levied and received by the collecting agencies for March 1915, but not remitted to this office till after the close of the year. The corresponding gross collections for 1913-14 amounted to Rs. 2,22,084-2-8.

47. Refunds of fees on exports granted during the year amounted to Rs. 58,348-3-2 against Rs. 47,124-6-0 in the previous year. The net collections for the year stood at Rs. 1,31,479-3-2 against an estimate of Rs. 1,15,000 and against Rs. 1,74,959-12-8, the actuals of the previous year.

The revenue under this item is a fluctuating one, and the decrease as compared with the actuals of 1913-14 is due to the fall in imports of timber by sea and also to the large refunds made during the year from current collections.

In addition to the refund of Rs. 58,348-3-2 paid from the current collections on account of timber exported from imports made during the year, a sum of Rs. 42,785-9-7 was also refunded from collections of previous years under the head of 'Refund of other than current collections.'

48. *Distraint Fees.*—The distraint fees realised during the year amounted to Rs. 110-14-5 against an estimate of Rs. 150 and Rs. 160-6-7 collected in the previous year. There were 158 distraints made in the year against 183 in the previous year. Only in 84 of these cases against 67 in the previous year, the distress had to be pushed on to the final stage of sale by auction. This indicates that the taxes were collected during the year under report, without undue severity, the number of warrants issued in the year being only 11,916 as against 54,784 in the previous year.

49. *Fines under Municipal and other Acts.*—The amount realised under this head was Rs. 5,615-3-6 against an estimate of Rs. 5,200 and Rs. 3,847-10-10, the collections in the previous year.

50. *Fees for Licenses, Registration, &c.*—The amount collected under this head amounted to Rs. 65,181-4-0 against Rs. 64,883-4-0 in the previous year. Details will be found in Table No. 19, Appendix II.

As in the previous year care was taken to see that sanitary conditions were enforced as required by the by-laws.

51. *Interest on Investments.*—A sum of Rs. 932-14-7 was realised as interest on the securities in favour of Raja Sir Ramaswami Mudaliyar Maternity Hospital. The interest derived on investments of the surplus funds of the Corporation amounted ot Rs. 73,442-11-11 under the Revenue and Capital accounts put together against Rs. 87,863-14-10 in the previous year.

52. *Grants and Contributions.*—Contributions amounting to Rs. 10,15,350 as detailed under, were paid by Government during the year against Rs. 15,78,350 in 1913-14 :—

(1) a contribution of Rs. 20,000 for the maintenance of the Mount and Poonamallee Roads ;

(2) a contribution of Rs. 4,443 for the repair of the bridges over the Cooum and Buckingham canal ;

(3) a contribution of Rs. 2,000 towards the Zoological collections in the People's Park;

(4) a contribution of Rs. 300 for the payment of batta to pregnant women in Raja Sir Ramaswami Mudaliyar Maternity Hospital ;

(5) a compensation of Rs. 13,607 for withholding sanction for the issue of licenses by the Corporation for places used for the sale of spirituous and intoxicating liquors ;

(6) a special grant of Rs. 5,00,000 for the improvement of water-supply and drainage of the city ;

(7) a special grant of Rs. 3,00,000 for the anti-malarial operations ;

(8) a special grant of Rs. 1,25,000 for the acquisition of lands for the new sewage farm, and

(9) a special grant of Rs. 50,000 for the construction of model cow-houses.

Payment for Water supplied for Non-Domestic Purposes.

Current.

53. The demand under this head amounted to Rs. 1,39,250-10-0 against Rs. 1,31,857-5-0, which excludes a sum of Rs. 4,597-12-0 due by Government for supply of water to their buildings during the two months of the last quarter

of the year, the bills for which amount could, under the existing arrangement with Government, be issued only after the close of the year. The current collections came up to Rs. 1,37,640-2-0 against Rs. 1,28,862-1-7 in the preceding year and Rs. 1,610-8-0 were outstanding at the end of the year. Of this balance, Rs. 1,020·4-0 have since been collected.

The percentage of collections to the demand was 98·84 against 98·64 in the previous year.

Arrear.

54. The arrear outstanding at the beginning of the year was Rs. 2,995-3-5 which rose to Rs. 9,036-1-5 by supplemental charges made for the previous year and by bills issued against Government for the two months of the last quarter of the previous year.

A sum of Rs. 8,945-9-11 was collected and Rs. 37-8-0 remitted, leaving a balance of Rs. 52-15-6 uncollected at the end of the year.

This balance represents the amounts due by Government in respect of the water supplied to the Police lines at Egmore and by the Prince of Arcot. These items are under correspondence.

The percentage of collections to the demand was 99·41.

General Incidence of Taxation.

55. The incidence of taxation per head of the population under all taxes including tolls, was Rs. 3-14-5 against Rs. 3-8-10 in the previous year. Excluding tolls, the incidence was Rs. 3-13-0 against Rs. 3-7-5 in 1913-14.

Advance Account.

56. The amount outstanding at the beginning of the year was Rs. 1,47,336-14-8, of which permanent advances held by the several officers of the Corporation amounted to Rs. 92,555 and miscellaneous advances to Rs. 54,781-14-8. During the year permanent advances amounting to Rs. 135 and miscellaneous advances of Rs. 43,138-7-0 were adjusted and fresh advances were made to the extent of Rs. 665 under "Permanent" and Rs. 64,759-7-11 under "Miscellaneous." The advances outstanding at the close of the year were thus Rs. 93,085 under permanent and Rs. 76,402-15-7 under miscellaneous or Rs. 1,69,487-15-7 in the aggregate against Rs. 1,47,336-14-8 at the end of the previous year.

EXPENDITURE.

Grant I—(*Public Works*).

Communications.

New Works.

57. The works falling under this head are mostly acquisitions of land and buildings for the improvement of roadways and are classified as follows:—

(*a*) Widening of streets and roads,

(*b*) Rounding off dangerous corners,

(*c*) Opening of blind lanes and connecting them with public streets and roads.

The total amount spent under this head was Rs. 44,715 against the Revised Estimate of Rs. 96,380. The short expenditure was due to the acquisition of land not having been completed in some cases and to some of the proposals having been abandoned.

58. The following roads and streets were widened :—

(1) Southern end of east Cemetery Road, Washermanpet.

(2) The bend at the junction of Puliyantope and Ramaswami Chetti Street, Perambur.

(3) The corner at the junction of Stringer's and Isaac Streets, Georgetown.

(4) The corner at the junction of Elephant Gate Street with Mint Street, Georgetown.

(5) The lane between Candappa Mudali High Road and Yami Street, Purasawakum.

(6) The north-eastern portion of Lakshmi Narayana Perumal Coil Street, Egmore.

(7) Veeraswami Pillai Street, Egmore.

(8) Gengu Reddi Road, Egmore.

(9) Muthukalathi Street, Triplicane.

(10) Khana Bagh Street, Triplicane (further widening).

(11) Junction of Mowbray's Road and Luz Church Road, Mylapore.

(12) North end of Arundel Street, Mylapore.

(13) Rosary Church Road, San Thome, Mylapore.

59. The corners at the following places were acquired for rounding off dangerous corners :—

(1) Junction at the end of the College Road and Nungambakum High Road.

(2) Junction of Patullo's Road and White's Road.

(3) The corner towards Laws Bridge in the Cooum river east side road, Chintadripet.

(4) The four corners at the junction of Lloyd Road and Rayapettah High Road.

(5) Junction of Avadanam Paupier Lane with Chinniah Naicken Street, Chulai.

(6) Junction of Police Commissioner's Office Road and Veeraswami Pillai Street, Egmore.

(7) Junction of Dams Road and Blackers Road.

60. Opening blind lanes :—

(1) In Tondiarpet, Bala Arunachalla Chetti Street was opened and connected with Solayappan Street.

(2) In Perambur, the Gantz Road was connected with Erukanjeri Road.

(3) In Triplicane, Subbaroya Mudali Street was connected with Begum Sahib Lane.

(4) A new road between Darya Sahib Street and Ghouse Mohideen Pettah Road in Tondiyarpet and a street in continuation of Muniappa Mudali Street in Peddunaickpet, Georgetown, were opened.

61. The following works and acquisitions which were reported to be in progress during 1913-14 were completed during the year :—

(1) The land occupied by the portico in front of Messrs. Wiele & Klein's studio was taken over under section 235 of the Municipal Act and the road widened.

(2) Constructing a footpath from Messrs. D'Angelis & Son's south corner to the north gate of the Post Office in Mount Road.

(3) Acquisition of land for widening Venkatesa Naick Street, Triplicane.

(4) Acquisition of land for widening the road at Chitrakulam, Mylapore.

(5) Acquisition of land for widening San Thome High Road.

(6) Acquisiton of land for widening Pycroft's Road 2nd lane and laying a new road connecting with General Patter's Road ; and

(7) Acquisition of land for rounding off the corner at the junction of Mount Road with General Patter's Road.

Repairs.

62. The works under "Repairs, Communications" may be classified as under :—

(1) Reform and repair of roads.
(2) Tarring of roads.
(3) Repairs to culverts.
(4) Repairs to bridges.

The total expenditure incurred on these works was Rs. 2,10,673, against the Revised Estimate of Rs. 2,52,570 and the actuals of Rs. 3,65,199 of the previous year. The large decrease in expenditure compared with the previous year was due to the failure of the road metal contractors. This resulted in a large decrease in the total mileage of roads reformed and in the total number of squares laid out.

63. *Reform and Repair of Roads.*—During the year 2 miles, 3 furlongs and 210 yards of unmetalled roads were metalled for the first time. The work done in the reform of roads was as follows :—The number of squares (100 square feet) laid was 32,978, which is equivalent to 31·23 miles of roads 20 feet wide, against 61 miles of roads in the previous year—*vide* details in Tables 13 and 14, Appendix II.

The quantity of materials used in reform work was :—

		C.ft.
Blue Granite	...	5,78,098
Velacheri	...	2,79,717
Laterite	...	1,93,574

The quantity of materials used in patch-work was :—

		C.ft.
Blue Granite	...	55,374
Velacheri	...	19,127
Laterite	...	24,225

A list of roads to be reformed is maintained in the office and roads for reform were taken in order of urgency and importance.

Increased attention was also paid to the patching of roads.

The cost of reform, including materials, cartage and laying, but exclusive of rolling was Rs. 1,31,510. The 31·23 miles of roads completely reformed cost Rs. 4,211 per mile against Rs. 4,311 per mile in 1913-14.

The comparative figures for granite reform are shown below, the figures being squares in each case :—

	Granite. 12″	Granite. 6″	Granite. 4″	Granite. 3″	Granite. 2″	Granite. 1½″
1913-14 ...	150	590	17,726	21,849	876½	40
1914-15 ...	...	410¼	12,984	16,225	...	...

64. *Tarring Roads.*—Tar-spraying was done in the following roads during the year at a cost of Rs. 12,906.

(*a*) Pantheon Road from College Bridge to Police Commissioner's Office Road.

(*b*) Mount Road from Blacker's Road to General Patter's Road.

(*c*) General Patter's Road from Mount Road to Wood's Road.

(*d*) West Cott Road from Pycroft's Road to Peter's Road.

(*e*) Mount Road from Messrs. W. E. Smith & Co. to Messrs. Spencer & Co. was retarred.

(*f*) South Beach Road from Pycroft's Road to Napier Bridge was tarred twice in the year.

Besides the tarring carried out in the past years, the question of trying the formation of bituminus-bound concrete roads in the City by using asphaltum, was considered and with this object in view the Standing Committee on 19th March 1915, approved the proposal of the Engineer to have an asphaltic concrete road laid by the Standard Oil Company, as a demonstration. If it proves successful, it is hoped to make concrete roads which will last longer than other roads.

65. *Repairs to Culverts and Bridges.*—Seven culverts were extended and two bridges were repaired and a retaining wall was constructed at the junction of Cooum riverside road and Law's Bridge.

Buildings.

New Works.

66. An expenditure of Rs. 2,84,171 was incurred under this head, against Rs. 4,55,370 in the Revised Estimate. The decrease was due partly to the land required for the construction of model dwellings for the people evicted from Suparigunta Paracherri, for which a sum of Rs. 64,500 was provided, not having been acquired pending disposal by the Court of the owner's contention that the whole of his property should be acquired, and partly to savings and to the works completed not having been paid for within the year.

The works carried out may be classified as follows :—

(1) Additions and improvements to Hospitals.
(2) Construction of Model Paracherries.
(3) Construction of Model Schools.
(4) Works carried out for Health Department.
(5) Other works.

Hospitals.

67. (1) *Raja Sir Ramaswami Mudaliyar Lying-in-Hospital.*—A compound wall separating the hospital from the Monegar Choultry was constructed. The construction of quarters for the Indian nurses was in progress.

(2) *Royapettah Hospital.*—Land was acquired for the construction of stables and servants' room. The construction of quarters for two Sub-Assistant Surgeons was completed and the installation of sanitary and electric fittings for them, was in progress.

(3) *Isolation Hospital.*—The revised estimate for Rs. 3,19,000 prepared in accordance with the revised plans approved by the Sanitary Board, was submitted to Government for sanction on 19th May 1914. The Chief Engineer who scrutinised the estimate suggested certain alterations in the design of the buildings, to effect the construction of a more economical building. In communicating the remarks of the Chief Engineer, the Government in G. O. No. 1768-M., dated 15th September 1914, expressed the opinion that in the present state of their finances, the Corporation would be well-advised to consider whether it would not be sufficient for the present to construct only the really essential portions of the buildings. The proposal to construct this hospital has necessarily to be deferred until the financial condition of the Corporation improves. In the meantime the hospital for infectious diseases in the Barracks Square, 7th Division, is being improved to suit requirements.

Model Paracherries.

68. (1) *Pudupet Model Dwellings.*—This is a two-storeyed building consisting of 20 tenements, and is situated in Pantheon Road, Egmore ; it is solely intended for the accommodation of poor Anglo-Indians. The installation of sanitary fittings by Messrs. Richardson and Cruddas, was completed during the year and the building was opened for occupation on 1st March 1915. A rent of Rs. 5 is charged for each tenement on the first floor and Rs. 4 for each tenement in the ground floor.

(2) *Cemetery Road.*—The construction of a Model Paracherri of 34 tenements in this road was nearing completion.

(3) Land and buildings in Mount Road opposite to Stable Company were acquired for Rs. 12,841. The buildings were in a dilapidated and insanitary condition and the acquisition was made with a view either to resell the land for the construction of decent buildings or lay out a garden.

Model Schools.

69. Buildings were completed during the year at the following places:—

(*a*) Mint Subbarayalu Nayudu Street, Korukupet.
(*b*) Goyatope, Egmore.
(*c*) Azizmulk Street, Thousand Lights.
(*d*) Mandavali Street, Mylapore.

The construction of buildings at the following places was in progress:—

(*a*) Bell's Road, Triplicane.
(*b*) Ramanaick Street, Nungambakkam.
(*c*) Angappa Naick Street, Georgetown.
(*d*) Venkatarangam Pillai Street, Triplicane.

Six new sites were acquired at the following places:—

(1) Salai Vinayagar Koil Street, Georgetown.
(2) Vasapmode Paracherri.
(3) Anna Pillai Street.
(4) Junction of Edapalayam and Hanumantharayan Koil Street.
(5) Triplicane High Road
(6) Ammayappa Mudali Street, Mylapore.

Two sites in Cemetery Road, Tondiarpet, and Parthasarathipetta, Teynampet, which belonged to Government, were alienated to the Coporation for the construction of Model Schools.

Tenders for the construction of schools on the first two sites mentioned above, were accepted by the Corporation.

A room on the first floor of the Damodar Free School, Teynampet, was constructed and the Olcott Free Panchama School,in Krishnampet, was extended.

Works carried out for Health Department.

70. (1) *Dhobikhana, Chetput.*—The improvements to the Dhobikhana referred to in paragraph 80 of the report for 1913-14 were completed during the year.

(2) *Model Milch Cow-Houses.*—The Corporation selected the old Fiji Emigration Depot in Tondiarpet and the "B" Conservancy Bullock Depot near the Basin Bridge Road for the model Milch Cow-Houses. The acquisition of the former was in progress and a tender for Rs. 56,088-12-0 for altering the "B" Depot so as to make it suitable for Cow-Houses and providing a sterilising boiler was accepted by the Corporation on 23rd October 1914 and work is in progress.

(3) *Passport Office in Tiruvottiyur High Road.*—Tenders were called for during the year for carrying out improvements to this building to make it suitable for a dispensary and for the construction of offices for Sanitary Inspector, Conservancy Overseer, Vaccinator, Medical Registrar and Plague Inspector. A tender for Rs. 13,062-12-0 was accepted by the Corporation on 18th August 1914 and the work is in progress.

(4) *Latrines.*—Two flush-out latrines were constructed at Velayuda Chetti Street, Pudupet, and one flush-out latrine between Thoppai Mudali Street and Rama Naick Street, Tondiarpet.

A sanded latrine at Ellapathamatha Koil Paracherri and another at the Dhobikhana, Chetput, were constructed.

The construction of a flush-out latrine in Polu Naicken Street, Perambur, was in progress.

Land was acquired in Sirdar Jung's Garden for the construction of a flush-out latrine and the acquisition of land for building a flush-out latrine in Thambu Chetti lane was in progress.

(5) *Bullock Sheds and Slaughter Houses.*—Additional bays with partitions were constructed in the Bullock Slaughter House, Perambur.

Other Works.

71. (*a*) *Ripon Buildings.*—The erection of the tower clock and the electric lift was completed during the year and minor works costing Rs. 17,340 were carried out. The erection of the record racks was nearing completion towards the close of the year.

(b) *Central Fire Station.*—This was completed during the year.

Two more motor fire engines were ordered for the City and, with the consultation of the Commissioner of Police, it was decided that the additional engines also should be housed along with the existing motor fire engine and that quarters for a European and an Indian driver should be constructed by the side of the existing driver's quarters. An estimate for Rs. 18,500 for both the works was sanctioned by the Standing Committee on 12th March 1915 and tenders for them were under preparation at the end of the year.

(*c*) *Parks.*

(i) *People's Park.*—A pipe fence was erected around the new bear's cage, the Emus and Cassowary cages were repaired and fenced, a new store shed was constructed in the menagerie enclosure, and the fencing of the small deer enclosure was in progress.

(ii) *Robinson Park.*—The construction of a room on the upper floor of the Superintendent's quarters and the extension of the foliage shed in front of the gate were in progress.

(*d*) *Workshops and Stores.*—A tender for Rs. 5,496-2-0 for the construction of a compound wall for the Corporation Workshop and Stores was accepted by the Standing Committee on 26th February 1915.

(*e*) The acquisition of land for the shifting of the road roller shed at the 18th Division Overseer's Stores was completed.

(*f*) The compound wall of the police station opposite to Messrs. Spencer & Co. was rebuilt, and the corner improved.

Repairs.

72. The repairs done to Municipal buildings and the cost of such repairs are shown in detail in Appendix I, Statement IIA, Part II.

Water-Supply and Drainage--Special Works Department.

73. *Staff.*—Mr. A. L. Houston, Senior Assistant Engineer, Drainage Section, availed himself of privilege leave from 2nd June 1914 to 31st August 1914. Mr. F. A. Adlard resigned his appointment as Assistant Engineer on the Water Distribution System on 21st November 1914, to take up the post of Assistant Sanitary Engineer to Government. Mr. J. E. Hensman was appointed to succeed Mr. Adlard, and took up his duties on 1st February 1915. Mr. S. L. Luker was appointed Assistant Engineer in the Drainage Section from 18th January 1915.

In G. O. No. 2561, dated 22nd December 1914, the Government expressed the opinion that the work of the special staff engaged to prepare a scheme of

drainage operations in connection with the anti-malarial measures in the City should be placed under the direction of the Special Engineer. Mr. Barker, Assistant Engineer, was appointed to prepare this scheme under the direction of the Special Engineer and was relieved of his previous work by Mr. S. L. Luker at the end of March 1915. This arrangement was rendered possible owing to the conditions arising from the war which rendered inevitable the postponement of work on the proposed New Sewage Farm.

Owing to the completion of a large portion of the Waterworks and Drainage Works and the great reduction in outturn of work occasioned by the war, a considerable reduction has been made in the subordinate staff of the Special Works Department.

General.

74. The most notable events in the year under report were the opening of the Tondiarpet Drainage Works and of the new Waterworks at Kilpauk and the sanction by Government of the proposals for the Main Drainage of the City at an estimated cost of Rs. 1,00,92,200. The Tondiarpet Drainage Works were formally opened by Mr. P. L. Moore, C.I.E., I.C.S., on 18th April 1914, in the presence of a number of Commissioners and Engineers, when he started a pumping engine at "B" Station, thus for the first time pumping Tondiarpet Sewage to the Sewage Farm.

The new Waterworks for supplying pure water under increased pressure were opened on 17th December 1914 by His Excellency Lord Pentland, Governor of Madras.

The speeches of His Excellency the Governor and of the Acting President are printed in Appendix VI as a record of the occasion.

Photographic views of the principal works included in new water works will be found on the plate bound between pages 28 and 29.

75. The work done by the Special Works Department during the year may be classified as follows :—

Waterworks.

(1) Completion of Pumping Station and Elevated Tank at Kilpauk and of 48-inch steel pumping main.

(2) Completion of Roughing Filter, Conduit, Sand Filters, and Pure Water Tanks with accessory works.

(3) Completion of laying of the large trunk Main No. 7 from Kilpauk to Mylapore and the laying of Main No. 1 from Kilpauk to Tondiarpet and of urgently required distributary pipes.

Drainage Works.

(1) Completion of sewer laying in Tondiarpet.

(2) Construction and completion of Harbour Overflow Intercepting Sewer in North Beach Road.

(3) Commencement of the construction of Purasawakam Gravitation Main.

(4) Laying sewers in Ice House Road area to replace collapsed old cement pipes.

(5) Preparing specification and schedules for numerous contracts.

(6) Surveys and levels of all streets in the Georgetown and Purasawakam drainage areas.

(7) Preparation of working drawings for sewers in Georgetown and Purasawakam areas.

76. Appendix II.—Table I shows the expenditure on works in charge of the Special Engineer for the last seven years, *i.e.*, since his department was created.

The considerable falling off in the value of work executed is due to the war in consequence of which it was found necessary to defer letting some contracts and the delivery of materials under running contracts was very much delayed.

As in previous years great pressure had to be exerted on the various contractors to obtain a reasonable outturn of work, and a considerable amount of work was carried out departmentally to supplement the deficiency on the part of the contractors. Details of the expenditure are given Appendix II, Table No. I. A.

Waterworks Section.

77. The conduit and 14 filter beds were completed. Six beds were filled with filtering materials and brought into working since November 1913. Owing to dilatoriness on the part of the contractor in obtaining filtering materials, his supply has been supplemented by direct labour and by letting subsidiary contracts at his risk and cost.

78. *Additional Filter Beds and a Fourth Pure Water Tank.*—The estimates for Rs. 5,30,000 submitted by the Special Engineer for the construction of seven additional filter beds and an additional pure water tank were sanctioned in G. O. No. 1442-M., dated 31st July 1914, subject to the condition that the works should not be begun without a further resolution of the Corporation which should not be passed until adequate information is available as to the pace at which the existing filters will work and the consumption per head throughout the City under the new conditions.

79. *Pumping Station and Elevated Tank.*—The construction of the pumping station has been completed excepting the portion of the floor-tiling, which has been delayed owing to the war. The elevated tank has still to be painted inside and the rain water pipes have to be fixed.

80. *Pumping Machinery.*—The pumping machinery has been running since December 1914. The engine trials will be run as soon as the contractors are ready for them.

Improvement of Water Distribution System.

81. *Pipe Contracts.*—The contract let to Messrs. Balmer Lawrie & Co., of Calcutta, for the supply of cast iron pipes and specials to the value of Rs. 13½ lakhs having been completed, fresh tenders for an additional 11,500 tons of cast-iron pipes in connection with the water-supply distribution scheme were called for.

MADRAS CORPORA

Opened by His Excellency The Right Honourable

On Decem

INTAKE TOWER, RED HILLS LAKE.



This tower, built where the lake is deepest, is provided with inlets at different levels through which the water is admitted into the new works.

SCREENING CHAMBER AND ROUGHING FILTER AT RED HILLS.



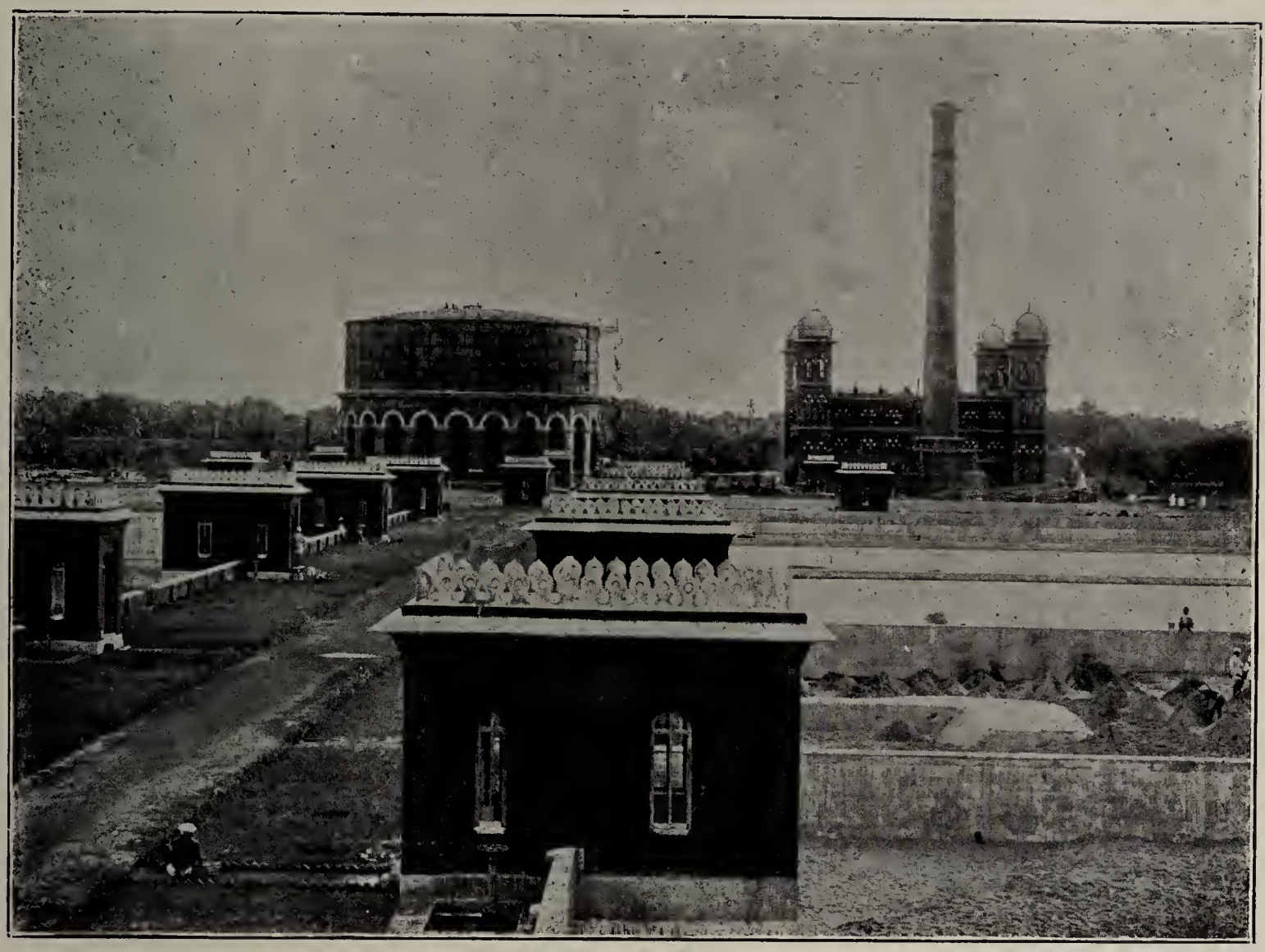
On the left is the triangular Screening Chamber, with gear for raising and lowering the screens. The water passes through the screens and then enters the roughing filter at floor level; rising through a filtering medium of broken stone, it passes over the measuring weir on the right, into the conduit to Madras. The quantity passing is continuously measured and recorded by a meter placed in the valve house on the right.

ON WATER-WORKS.

RD PENTLAND, P.C., G.C.I.E., Governor of Madras.

17th, 1914.

GENERAL VIEW OF WATER-WORKS AT KILPAUK.



This photograph shows the two rows of seven filters with their valve houses. In the background are the Elevated Tank on the left and the Pumping Station on the right. The water is admitted to the filters from the Red Hills conduit which runs round outside the two rows of filters. The filtered water passes through the valve houses into the underground pure water conduit between the filters; it then enters the underground pure water tanks, situated between the filters and the Pumping Station, and is finally pumped through a 48-inch diameter main into the distribution system. The Elevated Tank is provided to maintain a balance between the pumps and the distribution system.

CONNECTION OF PUMPING MAIN TO DISTRIBUTION SYSTEM.



In the foreground is the new 48-inch diameter Pumping Main, on the left (connected with the Pumping Main) is the new 42-inch leading main to supply the North of Madras.

The Corporation decided to accept the tender of Messrs. Oakes & Co., for pipes made by a French firm, but owing to the war the tender was withdrawn and the Corporation resolved to defer calling for fresh tenders until normal conditions are resumed. Contract forms for urgently required pipes were prepared with an insertion therein of a special clause to deal with the payment of freight and war risk insurance.

82. *New Trunk Mains.*—The laying of a large main to the north of the City was almost completed by M.R.Ry. M. Bashyam Naidu and that to the south of the City was completed by M.R.Ry. N. Muniswami Mudaliar. The total length of pipes laid by these two contractors is about 62,034 feet—*vide* Appendix II, Table No. 3-A.

83. *Prevention of Waste of Water.*—Tender forms for the supply and delivery of waste detection meters, special castings, sluice valves, &c., were prepared but were not advertised owing to the war.

84. *Pipe Bursts.*—The increased pressure of water after the opening of the new waterworks by His Excellency the Governor was maintained on the mains for about a week. Then a number of old defective pipes burst and the cutting off of water while they were being repaired, caused considerable inconvenience and hardship to the public. To minimise the inconvenience when bursts occur in future, the pressure has been reduced and certain intercommunication works are being carried out at a cost of about Rs. 5,500.

85. *Raising of the F. T. L. of Red Hills Tank.*—In G. O. No. 233 (Irrgn.) P.W., dated 26th May 1914, the Government approved the suggestion of the Special Engineer that in the interests of the water-supply to the City of Madras, the F.T.L. of the Red Hills Tank should be raised by 1½ feet and that the level below which the draw-off for irrigation is stopped should also be raised by the same height. The Corporation having agreed to bear the cost of these works, *viz.*, Rs. 1,25,000, the Superintending Engineer has been directed by Government to prepare plans and estimates for them.

86. The waterworks by-laws proposed by the Special Engineer were approved by the Corporation. The Government have deferred passing orders on them pending the amendment of the Madras City Municipal Act, 1904.

87. Waterworks Regulations were drawn up by the Special Engineer and were approved by the President and brought into force from May 1914.

Drainage Section.

88. All the main drainage works, included in the Tondiarpet Report and sanctioned in G. O. No. 654-M., dated 18th April 1910, were completed with the exception of the Sewage Farm Pumping Station.

89. *Sewage Farm Pumping Station.*—The first unit of Humphrey pump was erected at the Tondiarpet Sewage Farm. The pump worked a few hours daily for a time, but subsequently difficulty was experienced and the contractors dismantled the pump and re-erected it at the end of the year. With the sanction of Government, an extension of time was granted to the contractors to carry out their contract.

90. *Tondiarpet Drainage—Sewer Laying.*—A length of about 3,900 feet of pipes was laid and 32 manholes constructed during the year, and this completed practically all the sewers required at present. During the year every sewer in Tondiarpet was thoroughly examined, cleaned, and any repairs found necessary were made. The sewers were handed over to the Engineer for maintenance on 1st May 1915. The house connections from the sewers up to and including the silt-catcher were completed and only the alterations to house drainage remain to be carried out to put them in use.

91. *Storage Tanks.*—On 19th May 1914 the Special Engineer submitted proposals (1) for the construction of storage tanks for the Ice House Road and Napier Park Pumping Stations and (2) for a gravitation main through Napier Park area, and these were approved by the Chief Engineer to Government.

92. *Georgetown Area.*—Investigations and surveys were made and levels taken in every street in the Georgetown area for the preparation of working drawings for sewer laying. The details have been worked out and all the drawings are now practically finished.

93. *Napier Park Area.*—Investigations, surveys, and levels required for the contract drawings for the Napier Park Pumping Station and the contract drawings for the construction of the gravitation main from Pycroft's Road to this Pumping Station were completed.

94. *Ice House Road Area.*—Contract and working drawings for the construction of the pumping station were completed. Construction will be commenced as soon as the land has been acquired. A number of the existing sewers in this area, which were laid with cement pipes, have collapsed. In cases where the sewere can be relaid in accordance with the Main Drainage Scheme, they are sanctioned for execution as part of the main drainage works. Where the sewers cannot be relaid in accordance with the Main Drainage Scheme, the Corporation Engineer carries out temporary repairs to keep them working until such time as the Drainage Scheme can be carried out in the area.

95. *Gravitation Main No. 5.*—Specification and Bills of Quantities were prepared for Gravitation Main No. 5. A portion of the gravitation main near the pumping station was being constructed departmentally. This sewer consists of 33-inch diameter cast-iron pipes supported on timber piles and strapped down by means of steel bands. This special construction is necessitated owing to the very bad nature of the sub-soil.

96. *Purasawakam Area.—Pumping Station.*—The construction of screening departmentally was well in hand.

The laying of the 36-inch-cast iron main south sewer was in progress.

97. *Stoneware Pipes.*—Messrs. Richardson and Cruddas to whom the contract for the supply of stoneware pipes to the value of Rs. 8,64,445 was awarded, stopped the delivery of pipes owing to the war, after the ninth shipment of pipes had been delivered. The Corporation have now agreed to bear the cost of extra

freight and insurance on the pipes urgently required and further shipments are expected before long.

Minor Drainage Works.

98. *Harbour Overflow Sewer.*—The construction of an intercepting sewer at a cost of about Rs. 96,000, was completed partly by piecework contract and partly by direct departmental labour. The cost of this sewer has exceeded the estimate, due to encountering the old harbour revetment which was constructed with large granite boulders and heavy masonry walls which had to be cut through.

99. *Temporary Sewage Pumping Station, Triplicane.*—This is intended temporarily to remove the nuisance in Chepauk from the Buckingham Canal. A temporary electric pumping plant costing Rs. 12,500 is to be installed to pump into the cast-iron main the sewage which now flows into the canal. Contracts have been let for the supply of sewage pumping plant and for the supply and erection of an overhead electric power line.

The overhead power line has been almost completed.

The engine house, screening and weir chambers with silt pits, &c., are in course of construction by direct labour.

New Sewage Farm.

100. On 30th August 1914, the Engineer submitted alternative estimates for the acquisition of land for the New Sewage Farm. Before considering them the Standing Committee wished to have estimates as to what it would cost to put the whole scheme connected with the New Sewage Farm into working order. The Special Engineer submitted an approximate estimate amounting to 12 lakhs of Rupees as detailed below :—

	Rs.
Acquisition of land	1,50,000
Conduit to new farm, including land	2,00,000
Pumping Station, pumping plant stores and drivers' quarters	3,00,000
Masonry channel along farm	2,13,000
Levelling ground of proposed sewage farm ...	1,50,000
Distributing channel	50,000
	10,63,000
Add for supervision and contingencies	1,37,000
Total ...	12,00,000

The preparation of detailed plans and estimates has been deferred pending the financing of the work.

Drainage Maintenance.

101. *Maintenance of Pumping Stations.*—All the sewage pumping stations except the D'Mellows Road Station were maintained in good order throughout the year. In the D'Mellows Road Station the engines have been overworked for many

years. At this station break downs were frequent. Arrangements were made with the Madras Electric Supply Corporation to instal an electric motor, but the motor proved unsatisfactory.

In addition to the eight old sewage pumping stations, four new stations were brought into use during the year. These are "A," "B," "C" Sewage Pumping Stations in Tondiarpet and the new Waterworks Pumping Station at Kilpauk.

Table No. 11 of Appendix II shows the cost of pumping at the different stations.

Drainage—(Ordinary).

New Works.

102. *House Drainage.*—During the year steps were taken to alter the house drains in Tondiarpet and connect them with the sewers according to the plans and rules set out in the Special Engineer's Drainage Reports, under the supervision of the Drainage Superintendent and his staff. Up to 31st, March 1915 the drainage of 237 houses was altered and the houses connected to the sewers. The cost is debited to the Special Drainage Works.

The expenditure on ordinary drainage works amounted to Rs. 10,858 against Rs. 17,960 in the Revised Estimate. The works included the construction of masonry drains in certain streets, the construction of manholes in seven streets in Mylapore where the sewers do not work satisfactorily, and the reconstruction of house connections in some places.

In Vasapmode Paracherri a storm water separator was constructed and the side drains were connected to the existing sewer. A 6-inch sewer was laid in Sattanna Naick Street, Choolai.

Repairs.

103. The repairs done to drains and their cost are shown in Appendix I, Statement IIA, Part II.

Sewer Cleaning.

The amount of work turned out during the year is as follows :—

Length of sewers cleaned	...	4,12,468 feet.
Obstructions removed from sewers	...	5,207
Obstructions removed from syphons		1,668
Quantity of silt removed from manholes	...	1,09,254 c. ft.

Owing to prolonged and heavy rains the sewers were in a surcharged state for months together, which prevented any cleaning being carried out. The number of cases of obstructions, therefore, increased and the sewerswere silted up. These were cleaned by the employment of special gangs.

Water-Supply—(Ordinary).

104. *New Works* : The total expenditure under this head amounted to Rs. 11,430. Of this, Rs. 4,403 was spent on removing, cleaning and relaying or

replacing 16,741 feet of pipes and laying 3,112 feet of new mains in certain streets for extension of water-supply. Forty fountains were erected and 11 valves, 24 stop-cocks, 47 pumps, 2 hydrants and 29 meters fixed during the year. Table No. 12 of Appendix II shows the length of pipes laid.

Repairs.

105. (1) On the 1st of April 1914, the level of the Red Hills Lake stood at 42·11 and on the 31st March 1915 at 43·73. The level of the lake continued to be above the pumping level throughout the year. The rainfall and the average water level for each month are shown in Table 16, Appendix II. The quantity of water-supply measured at the Red Hills during 1914-15 was 606,987,108 cubic feet (equal to 3,782,743,657·056 gallons) as against 663,956,892 cubic feet in the previous year.

(2) *Delivery Channel, Fountains and Pipes.*—The cost of maintaining these including the establishment amounted to Rs. 56,306. There are now 1,413 fountains within the Municipal limits, 40 new fountains having been erected during the year.

(3) *Private Service.*—During the year 452 new services were laid by licensed plumbers and 2,412 existing services were repaired, altered and extended. The total number of house services laid up to the end of 1914-15 was 27,711. There were 34 licensed plumbers on 31st March 1915.

(4) The quantity of water charged for as having been used for non-domestic purposes was 185,723,169 gallons. The amount collected during the year was Rs. 1,46,585-11-11, as shown in detail in Table No. 17, Appendix II. The charge for water supplied for non-domestic purposes continued to be 12 annas per 1,000 gallons.

Miscellaneous.

New Works.

106. The expenditure under this head amounted to Rs. 1,99,749 against Rs. 2,38,420 in the Revised Estimate, and was incurred mostly on acquisitions of land for relief of congestion. The acquisition of land for opening out congested areas in Narasingapuram was completed and the major portion of the land required for opening out Suparigunta Paracherri was acquired.

Administration.

107. *Notices.*—1,543 notices were served under the various sections of the Municipal Act dealing with the construction or reconstruction of masonry bnildings or huts, removal of encroachments and ruinous buildings, fencing of buildings or lands, and pruning of hedges and trees, wastage of water and contamination of water-supply, &c. In 1,381 cases the notices were complied with.

108. *Permits.*—2,989 permits were issued under sections 268 and 278 of the Municipal Act for the construction or reconstruction of masonry buildings huts, &c.

109. *Prosecutions.*—Magisterial proceedings were taken in 141 cases, as against 246 cases in the previous year. In 85 cases, the defaulters were convicted and fined ; in 14 cases, they were acquitted and in 29 cases they were withdrawn. Owing to the absence of the defaulters from Madras, the summonses could not be served in seven cases and six cases remained undisposed of. There was a great reduction in the number of prosecutions under sections 264 and 424, as the provisional and final orders issued under section 287 were in most cases complied with.

110. Provisional orders under section 287 (1) and (2) of the Municipal Act were issued in 708 cases against 513 cases in the previous year and in 440 of them final orders were issued under section 287 (3) as the parties failed to comply with them.

GRANT II—(*Education.*)

111. The progress made under elementary education during the year is given in the report of the Sub-Assistant Inspector of Schools printed in Appendix III.

The expenditure under this head amounted to Rs. 27,392-0-5 against Rs. 15,532-15-2 in the previous year, the increase being due the establishment of five new elementary schools at Mylapore, Nungambakkum, Korukupet, Goyatope and Thousand Lights and to the fact that the schools opened in 1913-14 worked throughout the year under report against only a few months in the previous year.

112. According to the scheme sanctioned in G. O. No. 820 M., dated 25th May 1911, 16 schools should have been constructed and 12 opened by the end of the year. Ten schools were actually completed and opened. The school at Nungambakkum was opened temporarily in a rented building ; a Model School building is almost now completed and the school will be transferred to it soon. Three other school buildings were in course of construction during the year, and contracts were let for the construction of two schools.

113. The total number of schools maintained by the Corporation at the end of the year was 12. There was 1,570 boys and 220 girls on the rolls of these schools on 31st March 1915 against 995 boys and 195 girls at the end of 1913-14. The statement of the Sub-Assistant Inspector of Schools that the indents for the purchase of apparatus and appliances for schools were not sanctioned for want of funds is incorrect. The indents were extravagant and were returned for revision. There were 64 teachers in the Corporation Schools besides four drawing and kindergarten instructors, two gymnastic instructors and one Supervisor for drawing and kindergarten employed for the benefit of all the elementary schools in the City, and most of them were professionally qualified. Those that were not qualified have been informed that they will not be confirmed until they qualify themselves completely.

114. Five teachers were under training during the year in the Government Training School, Saidapet, and four in the Government Training School, Triplicane. The total amount of stipends paid to these teachers was Rs. 798-11-8.

GRANT III—(*Sanitation and Medical Services*).

Hospitals and Dispensaries.

115. *Royapettah Hospital.*—The expenditure on the maintenance of this Hospital fell from Rs. 48,968-4-3 to Rs. 44,202-0-6, but was in excess of the revised estimate by Rs. 1,002-0-0. The decrease when compared with the previous year was due to the fact that an operation table was purchased at a cost of Rs. 4,197-7-10 in the previous year. The total number of in-patients treated in this hospital rose from 2,287 to 2,580, but that of out-patients fell from 60,470 to 60,145, the decrease in the latter case being explained by the Surgeon to be due to decrease in the number of malaria cases treated.

116. *Raja Sir Ramaswamy Mudaliyar Maternity Hospital.*—The amount spent on this institution was Rs. 10,030-7-9 against Rs. 8,432-12-8 in the previous year and Rs. 8,720 in the revised estimate. The increase over the expenditure of last year was due to increased attendance and to the purchase of bed steads. The number of in-patients rose from 1,082 to 1,269 and that of out-patients from 660 to 838.

117. *Georgetown Dispensary.*—The charges of this institution amounted to Rs. 11,004-3-0 against Rs. 10,271-8-10 in 1913-14 and Rs. 10,460-0-0 in the revised estimate, while the number of patients treated in it fell from 45,181 to 43,046. The increase in expenditure notwithstanding the fall in the number of patients was due to a rise in the prices of European medicines.

118. *Washermanpet Dispensary.*—The maintenance of this institution cost Rs. 5,514-2-4 against the estimate of Rs. 4,710-0-0, the increase appearing under medicines and supplies. The number of patients treated was 19,338.

119. *Bauliah Nayudu Dispensary.*—The expenditure amounted to Rs. 8,012-15-9 against Rs. 8,411-3-11 in the previous year and against Rs. 6,770-0-0 in the revised estimate. The increase as compared with the revised estimate was due to the purchase of a larger quantity of medicines, especially quinine. The number of patients treated rose from 52,703 to 54,579. The working of this institution was not satisfactory and the Sub-Assistant Surgeon in charge was transferred to the Georgetown Dispensary where he works under supervision.

120. *Chintadripet Dispensary.*—The outlay on the maintenance of this dispensary was Rs. 3,767-1-8 against Rs. 3,284-13-7 in the previous year and Rs. 3,860 in the revised estimate. The number of patients treated was 33,876 against 30,303 in the previous year.

121. The reports of the Medical Officers in charge of the above hospitals and dispensaries appear in Appendix IV.

Contributions.

122. *Hospitals.*—The usual contribution of Rs. 20,000 for hospitals was paid to Provincial funds during the year.

123. *San Thome Dispensary.*—Besides the usual monthly contribution of Rs. 66-10-8 and the annual contribution of Rs. 300, a special grant of Rs. 500

was paid to this dispensary for equipment as the new Managing Committee reported that the institution was badly in need of surgical instruments and medicines. The number of patients treated was 10,412 against 10,774 in the previous year.

124. *St. Thomas' Convent Dispensary.*—A monthly grant of Rs. 20 was as usual paid to the dispensary. The number of patients treated rose from 7,300 to 11,377.

125. *Victoria Caste and Gosha Hospital.*—A contribution of Rs. 1,000 was paid to this hospital. The number of patients treated fell from 19,114 to 15,509, the decrease being ascribed by Major Elwes, C.I.E., I.M.S., to frequent changes in the *personnel* of the Superintendent due to unforeseen circumstances.

126. *Sri Kanyaka Parameswari Devastanam Ayurvedic Dispensary, Georgetown, and Venkataramana Dispensary, Mylapore.*—Contributions amounting to Rs. 1,000 and Rs. 200 respectively were paid to these two institutions in the year under report for 1913-14 and 1914-15. The number of patients treated in the Sri Kanyaka Parameswari Devastanam Dispensary was 25,727 and that in the Venkataramana Dispensary was 45,005 against 23,889 and 41,918 respectively in the previous year.

127. *Kalyani Hospital.*—A contribution of Rs. 600 for 1914-15 was paid to the institution during the year.

128. The reports of the above institutions appear in Appendix IV.

129. *Sembium Dispensary.*—A sum of Rs. 780 was as usual paid to the District Board of Chingleput, being the moiety of the charges for the upkeep of this dispensary.

130. *Pasteur Institute of South India, Coonoor.*—The annual contribution of Rs. 250, sanctioned in G. O. No. 14-M., dated 15th January 1909, was paid during the year.

131. *Monegar Choultry and Native Infirmary.*—The annual contribution of Rs. 1,500, sanctioned in G. O. No. 646-M., dated 22nd April 1909, was paid towards the maintenance of these institutions.

Health Department.

132. With reference to G. O.'s No. 407-M., dated 6th March 1914 and No. 506-M., dated 11th March 1914, the Health Officer has submitted a separate report on the working of the Health Department and the statistics relating to that department have been omitted from the present report.

Anti-Malarial Operations.

133. The report of the Special Malaria Officer on the anti-malarial operations carried out during the year 1914 is printed in Appendix V.

Watering Roads.

134. Watering was discontinued in the case of the following roads, as they had been tarred :—

(1) South Beach Road from Napier's Bridge to Pycrofts Road.

(2) Mount Road from Blacker's Road to General Patter's Road.

(3) General Patter's Road from Mount Road to Wood's Road.

(4) Pantheon Road from College Bridge to Police Commissioner's Office Road.

The other roads were watered as usual.

GRANT IV—(*Miscellaneous Municipal Purposes*).

Lighting.

135. The cost of the maintenance of lamps amounted to Rs. 70,921 as detailed below, against Rs. 70,634 in the previous year :—

		1913–14.	1914–15.
		Rs.	Rs.
Kerosene lamps	...	50,327	49,486
Power lamps	...	9,273	6,891
Electric lamps	...	11,034	14,544
Total	...	70,634	70,921

Of this Rs. 69,382 was paid to the contractors and Rs. 1,539 was spent on the maintenance of some of the electric lights departmentally. The total amount of fines imposed on the contractors for bad lighting was Rs. 4,106 against Rs. 1,457-13-0 in 1913-14.

The increase in the cost of electric lighting was due to the fixing of additional electric lights and to the extension of the lighting time from 2 to 3 A.M. This extension was sanctioned by the Corporation on 29th May 1914, as the Commissioner of Police reported that the absence of lighting between 2 and 3 A.M. facilitated the movement of criminals and rendered the work of the Police patrols very ineffective.

136. There were 5,602 kerosene oil lamps and 44 power lamps at the beginning of the year to which 32 kerosene oil lamps and one power lamp were added ; 364 kerosene oil lamps and six power lamps were removed during the year on account of the extension of electric lighting, leaving 5,270 kerosine oil lamps and 39 power lamps at the end of the year. There were 674 electric lights at the beginning of the year and 335 new lights were fixed during the year at the places mentioned in Appendix II, Table No. 18 A, raising the total number to 1,009. The lighting of the several lamps was inspected by three Lighting Inspectors as in previous years, and each lamp was inspected on an average 39 times during the year.

During the year cables were laid in the following places departmentally for the erection of electric lights :—

(*a*) Gengu Reddi Road.
(*b*) Nariangadu Model dwellings.
(*c*) Atkinsons Road.
(*d*) Junction of Hunters Road with Rundalls Road.
(*e*) Sydenhams Road and Vepery High Road Junction.
(*f*) Gosha Sahib Lane.

Avenues.

137. *Avenues* :—The actual number of avenue trees at the beginning of the year was 16,722 ; 1, 336 trees were newly planted during the year and 87 trees fell down, leaving 17, 971 at the end of the year, of which 2,491 trees required to be watered. The thanks of the Corporation are due to Mr. Houghton for his continued honorary services.

Public Parks.

138. *People's Park*:—(1) *Receipts*.—(*a*) The right to collect fees at the menagerie was leased for Rs. 567-15-11 per month or Rs. 6,815-15-0 for the year against Rs. 501-15-11 per mensem in the previous year. The whole of this sum was collected in addition to a penal interest of Rs. 24-5-4.

(*b*) The last instalment of Rs. 85 was paid in the year by the contractor to whom the right of plying pleasure boats in the lake near the Menagerie was sold for three years, from 1st April 1913.

(*c*) A sum of Rs. 40-2-0 was realized by lease of the productive trees in the People's Park.

(2) *Charges*.—Food for animals and birds in the menagerie enclosure was supplied at the following rates :—

Goat's meat at $5\frac{9}{11}$ lbs. per rupee.
Mutton at 6 lbs. per rupee.
Beef at $9\frac{1}{7}$ lbs. per rupee.
Kids at one anna each.
Ducks at two annas each.

The total receipts of the Park, including the Government grant of Rs. 2,000 rose from Rs. 9,801-6-11 to Rs. 10,867-9-6 while the expenditure fell from Rs. 23,275-1-4 to Rs. 22,449-1-7.

(3) The saleable value of the live-stock is Rs. 13,000.

(4) The following animals were presented during the year :—2 leopard cubs by the Zamindar of Udaiyarpalayam, 1 tigress by the Zamindar of Pangidigudium.

(5) The following animals and birds were purchased during the year at a cost of Rs. 161-14-0.

One tigress.
One deer.

Two pairs of white doves.

One pair of rock doves.

(6) Eighty-four cows and 89 buffaloes were impounded during the year for grazing in the Park.

139. *Napier Park.*—(1) The right of grazing cattte was leased for Rs. 60, and the lease of the productive trees brought in an income of Rs. 26. The total income from this Park including that from the sale of withered trees, amounted to Rs. 135-1-10 while its maintenance cost the Corporation Rs. 1,422-9-1.

(2) 143 heads of cattle were impounded during the year for grazing in this park without permission.

140. *Robinson Park.*—The receipts and charges of this Park, amounted to Rs. 255-15-0 and Rs. 5,124-4-0, respectively, against Rs. 278-14-0 and Rs. 5,102-14-7 in the previous year.

141. *Loane Square.*—This continues to be very popular as a recreation ground. The cost of its upkeep was Rs. 1,778-8-7 against Rs. 1,567-3-11 in the previous year.

142. The details of the receipts and charges of the above four Parks appear in Appendix II, Tables 20 to 23.

143. The band of the Madras Volunteer Guards played, as usual, twice a week on the Marina, four times a month in the People's Park, twice a month in the Robinson Park, four times a month in Loane Square, and twice a month in the High Court compound.

The band of the Royal Dublin Fusiliers gave twenty performances in the Marina in the beginning of the year.

Fire.

144. The total cost of the maintenance of the motor, steam, and manual fire engines was Rs. 11,293 against Rs. 10,545 in the previous year.

There were 32 fires during the year, for which these engines were requisitioned as against 21 in the previous year. Of these in only 18 cases the engines worked actually ; in the remaining 14 cases, the parties themselves put out the fires before the arrival of the engines. The engines continued to be worked by the City Police and regular drills were given to men engaged in the fire brigade.

The scheme for the re-organization of the fire brigade outlined in paragraph 154 of the previous year's report was sanctioned in G. O. No. 1425, Judicial, dated 24th June 1914.

The motor fire engine purchased in 1912 having proved very useful, it was proposed to replace the old worn out steam fire engines by two new motor fire engines, and the tender of Messrs. Best & Co., for the supply of two Merryweather petrol motor "Hatfield" fire engines for Rs. 37,587, was accepted by the Corporation on 16th June 1914. Owing to the war, the engines could not be supplied within the year, but they have arrived in the current year.

GRANT V—(*Supervision and Management*).

145. The expenditure under this head, amounted to Rs. 1,89,649-14-11 and was 4·57 per cent. of the total receipts of the year ; the portion of this sum spent on the establishment maintained for the purpose of assessment and collection amounted to Rs. 91,415-6-10 or 2·20 per cent. of the total receipts.

Repayment of Debt.

146. The sinking fund account appertaining to the several loans of the Corporation, exclusive of the Government instalment loans of sixteen lakhs of rupees, opened with a balance of Rs. 22,49,100 in Government Promissory Notes and Madras Municipal debentures and Rs. 8,270-12-9 in cash. During the year under report an allotment of Rs. 93,740 was made to this fund from the general revenues and a sum of Rs. 35,596-7-7 was derived as interest on prior investments made to the fund. The total receipts of the year amounted to Rs. 1,37,607-4-4. Out of this sum Government Promissory Notes and Madras Municipal debentures of the face value of Rs. 1,19,600 were purchased at a cost of Rs. 1,23,815-1-8 and Rs. 7,000 of the balance of the Georgetown Drainage Loan of 1883 were repaid during the year. The aggregate investments at the close of the year to the credit of this fund stood at Rs. 23,68,700 in Government Promissory Notes and Madras Municipal debentures with a cash balance of Rs. 6,792-2-8. Payments amounting to Rs. 92,069-3-2 were also made during the year towards the Government instalment loans. Out of these payments, a sum of Rs. 35,887-8-4 was appropriated by the Accountant-General towards the repayment of the loans and Rs. 56,181-10-10 towards the interest.

Refund of other than Current Collections.

147. The total amount refunded during the year was Rs 65,640-3-0 against an estimate of Rs. 60,000. The details of the refund are given in Appendix I, Table No. 4.

No. II. Account.

148. This account which exhibits the transactions relating to the Corporation Stores and Workshop, the payments made on account of the sinking fund for loans raised in the open market, the security deposits of the Corporation servants and contractors, &c., opened with a balance of Rs. 13,41,269-7-2. The receipts during the year amounted to Rs. 12,42,501-4-1 and the expenditure to Rs. 12,10,169-13-7, leaving a balance of Rs. 13,73,600-13·8 at the close of the year.

Workshop.

149. The total value of works turned out in Workshops during the year under report was Rs. 1,32,220-10-9 (*vide* Appendix II Table No. 24) against Rs. 1,06,694-7-2 in 1913-14. The amount earned in the shape of supervision charges, &c., was Rs. 19,816-5-7 against Rs. 16,532-3-11 in 1913-1914.

The expenditure on account of wages of maistries and contingent charges amounted to Rs. 7,566-8-7 or 5·72 per cent. on the value of the works turned out against 7·43 per cent. in the previous year. The cost of establishment including allowances, amounted to Rs. 11,492-6-3. The total receipts exceeded the expenditure by Rs. 757-6-9.

CORPORATION OF MADRAS,
12th August, 1915.

J. CHARTRES MOLONY,
President.

STATEMENT I.—*Revenues and Receipts of the Municipal Fund of the City of Madras during the Official Year* 1914-15.

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
I.—CAPITAL ACCOUNT—	RS. A. P.	RS. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
1. Opening Balance—						
(*a*) General Fund ...	37,475 1 7		68,050 0 0	37,480 0 0	5,415 5 8	
(*b*) Water and Drainage Fund ..	9,13,220 8 3		8,36,730 0 0	9,13,220 0 0	16,40,894 15 8	
(*c*) Lighting Fund ...	—31,626 11 1		... ...	—31,630 0 ...	... ...	
Total ...	... ...	9,19,068 14 9	9,04,780 0 0	9,19,070 0 0	16,46,310 5 4	
3. Revenue derived from Municipal property and powers apart from taxation—						
(*h*) Interest on Investments ...	... .	55,030 0 5	50,000 0 0	54,930 0 0	73,145 5 4	
4. Grants and Contributions—						
(*a*) From Government—						
i Improvement of Water-supply and Drainage ..	... .	5,00,000 0 0	5,00,000 0 0	5,00,000 0 0	12,50,000 0 0	
6. Extraordinary and Debt—						
(*a*) Loan—						
i. From Government ...	.. ..		7,00,000 0 0	... ...	... .	
ii. In the market from private individuals ...	5,50,000 0 0		7,85,000 0 0	5,50,000 0 0	3,42,000 0 0	
Total ...	... ...	5,50,000 0 0	14,85,000 0 0	5,50,000 0 0	3,42,000 0 0	
Advances recovered—						
i. Permanent ...	... ...		... ...	... ...	... ...	
ii. Other ...	1,811 12 4		... ...	1,810 0 0	510 11 1	
Total ...	.. ..	1,811 12 4	... ...	1,810 0 0	510 11 1	
Transferred from Revenue Account ...	... ...		... .	... ...	... .	
Total, Capital Account ...	... .	20,25,910 11 6	29,39,780 0 0	20,25,810 0 0	33,11,966 5 9	
II —REVENUE ACCOUNT—						
1. Opening Balance—						
(*a*) General Fund ...	8,19,939 5 1		3,56,290 0 0	8,19,940 0 0	5,95,958 11 5	
(*b*) Water and Drainage Fund ...	... ...		... ...	... .	... ...	
(*c*) Lighting Fund ...	14,186 14 9		8,530 0 0	14,190 0 0	... ...	
Total ...	... ...	8,34,126 3 10	3,64,820 0 0	8,34,130 0 0	5,95,958 11 5	

2. Municipal Rates and Taxes—																				
(*a*) Tax on Arts, &c. (Sec. 120) ...	1,67,931	15	2				1,61,000	0	0	1,61,000	0	0	1,69,111	2	0					
(*b*) Tax on Buildings and Lands (Sec. 129) ...	9,27,101	1	11				8,69,200	0	0	9,47,290	0	0	8,25,419	2	11	The decrease was due to the non-payment by Government of a portion of the taxes due from them. The matter is under correspondence.				
(*c*) Tax on Lands (Sec. 141) ...	11,084	6	8				9.200	0	0	10,340	0	0	10,097	4	11					
(*d*) Water and Drainage Tax on Buildings and Lands (Sec. 145) ...	6,02,463	11	9				5,64,980	0	0	6,15,200	0	0	5,36,466	10	5					
(*e*) Water and Drainage Tax on Lands (Sec. 146)	7,110	3	7				5,830	0	0	6,610	0	0	6,415	15	3					
(*f*) Lighting Tax on Buildings and Lands (Sec. 148)	1,15,893	8	2				1,08.650	0	0	1,18,420	0	0	1,03,209	2	11					
(*g*) Lighting Tax on Lands (Sec. 149) ...	1,385	9	7				1,140	0	0	1,280	0	0	1,265	2	5					
(*h*) Tax on Vehicles with springs (Sec. 150) ...	74,362	2	9				69,800	0	0	70,750	0	0	71,899	11	3					
(*i*) Tax on Animals (Sec. 150) ...	37,367	5	7				39,450	0	0	38,500	0	0	39,586	10	0					
(*j*) Tax on Carts and other Vehicles without springs (Sec. 158) ...	32,474	9	5				32,000	0	0	30,970	0	0	32,481	11	11					
(*k*) Tolls on Vehicles and Animals entering Municipal Limits (Sec. 164) ...	46,475	6	8				46,300	0	0	46,300	0	0	45,167	3	6					
Total ...				20,23,650	1	3	19,07,550	0	0	20,46 660	0	0	18,41,119	13	6					
3. Revenue derived from Municipal property and powers apart from Taxation—																				
(*a*) i. Payment for Occupation of Municipal Lands ...	6,126	7	6				5,460	0	0	5,880	0	0	6,033	11	0					
ii. Rent of Lands and Buildings ...	31,525	4	3				24 700	0	0	28,330	0	0	27,810	4	2	The increase was partly due to the rents realised from properties acquired by the Corporation.				
(*b*) i. Sale-proceeds of Lands ...	2,986	4	0				1,000	0	0	3,000	0	0	1,00,398	10	11					
ii. Esplanades, &c., Grazing Rents ..	2,978	0	0				1,500	0	0	2,800	0	0	2,375	0	0					
iii. Rent of Cart-stand ...	6,000	0	0				6,000	0	0	6,000	0	0	5,357	6	10					
iv. Rent of Municipal Wharf ...	1,600	0	0				1,600	0	0	1,600	0	0	1,600	0	0					
v. Produce of Lands, Gardens, &c.—																				
(1) People's Park ..	8,867	9	6				7,350	0	0	8,610	0	0	7,801	6	11	The increase was due to larger collections from sale of grass, hire of plants, &c.				
(2) Napier Park ..	135	1	10				80	0	0	130	0	0	41	14	0					
(3) Robinson Park ...	255	15	0				300	0	0	300	0	0	278	14	0					
(4) Grass Farm ...	37,438	1	1				45,000	0	0	37,000	0	0	40,354	3	11					
(5) Office Lawn ...	16	0	0				...	...	...	10	0	0	...	...	...					
vi. Sale-proceeds of old materials ...	1,849	12	0				2,500	0	0	2,500	0	0	1,093	5	11	This is an uncertain item.				
(*c*) Conservancy Receipts—																				
Sale of Rubbish ...	16,957	14	10				11,000	0	0	14 500	0	0	14,780	14	9	The increase was due to recoveries for reclamation works.				
Private Scavenging ..	7,007	3	7				5,900	0	0	7,500	0	0	7,969	9	4					
(*d*) Hospital Receipts ...	541	0	0				830	0	0	510	0	0	615	3	5					
(*e*) i. Income from Markets (Sec. 337)—																				
(1) Smithfield Market ...	4,525	0	0				4,530	0	0	4,530	0	0	4,300	1	10					
(2) Moore Market ...	32,571	6	4				32,850	0	0	32,000	0	0	31,492	2	3					
	1,61,380	15	11				1,50,600	0	0	1,55,200	0	0	2,51,402	13	3					
Carried over ..	...	...	...	28,57,776	5	1	22,72,370	0	0	28,80,790	0	0	24,37,078	8	11					

STATEMENT 1.—*Revenues and Receipts of the Municipal Fund of the City of Madras during the Official Year* 1914-15 —(Concluded).

Items.	Actuals, 1914-15.		Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
	Details of Minor Heads.	Totals of Major Heads.				
1	2	3	4	5	6	7
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P	
Brought forward ...		28,57,776 5 1	22,72,370 0 0	28,80,790 0 0	24,37,078 8 11	
3. Revenue derived from Municipal property and powers apart from Taxation—(*Concluded*) ...	1,61,380 15 11		1,50,600 0 0	1,55,200 0 0	2,51,402 13 3	
ii. Income from Slaughter houses (Secs. 331) and Slaughter of Animals for food (Sec. 334) ...	80,197 10 11		82,000 0 0	82,000 0 0	84,266 12 1	
iii. Income from Dhobykhana ...	549 8 0		... ...	300 0 0	... ...	
iv. Income from Lethal Chamber ...	622 15 0		600 0 0	530 0 0	707 10 1	
(*f*) Other Fees—						
i. Import of Timber and Firewood (Sec. 327) ...	1,31,479 3 2		1,88,000 0 0	1,15,000 0 0	1,74,959 12 8	
ii. Private Markets (Sec. 344) ...	3,700 0 0		3,700 0 0	3,650 0 0	3,750 0 0	
iii. Licenses, Registration, &c. ...	65,181 4 0		64,000 0 0	64,000 0 0	64,883 4 0	
iv. Fees for furnishing extracts of births and deaths ...	595 12 0		400 0 0	650 0 0	520 0 0	
v. Cart-stand Fees ...	720 0 0		720 0 0	680 0 0	735 0 0	
vi. School Fees ...	970 10 0		2,280 0 0	1,000 0 0	588 6 8	
vii. Distraint Fees ...	110 14 5		300 0 0	150 0 0	160 6 7	
(*g*) Fines under Municipal and other Acts—						
i. Municipal ...	5,615 3 6		3,500 0 0	5,200 0 0	3,847 10 10	
ii. Police ...	... ...		... .	... .	... ...	
(*h*) Interest on Investments—						
Medical ...	932 14 7		1,870 0 0	1,870 0 0	1,865 13 2	
General ...	18,412 11 6		11,000 0 0	15,800 0 0	14,718 9 6	
(*i*) Premium on Loans ...	... ...		... ...	... ...	... .	
Total ...		4,70,469 11 0	5,08,970 0 0	4,46,030 0 0	6,02,406 2 10	
4. Grants and Contributions—						
(*a*) From Government—						
i. Roads ...	20,000 0 0		20,000 0 0	20,000 0 0	20,000 0 0	
ii. Repairing structures of bridges over the Cooum and over the Buckingham Canal ...	4,443 0 0		4,440 0 0	4,440 0 0	4,443 0 0	

iii. Other purposes—																		
(1) Compensation for Tax on places used for sale of Spirituous & Intoxicating Liquors	13,607	0	0				13,610	0	0	13,610	0	0	13,607	0	0			
(2) Zoological Collection in People's Park ...	2,000	0	0				2,000	0	0	2,000	0	0	2,000	0	0			
(4) Raja Sir S. Ramasamy Mudaliar Lying-in-Hospital ...	300	0	0				300	0	0	300	0	0	300	0	0			
(5) For Malaria investigation ...	3,00,000	0	0				3,00,000	0	0	3,00,000	0	0	1,00,000	0	0			
(6) For construction of bear pits and aviary in People's Park ...	...	.	...				..	...	...	...	...	...	15,000	0	0			
(7) For sanitary works ...	...	...	...				...	..	...	...	...	...	1,73,000	0	0			
(8) For acquisition of lands for sewage farm ...	1,25,000	0	0				...	...	...	1,25,000	0	0	...	...	...			
(9) For construction of model cow-houses ...	50,000	0	0				...	...	...	50,000	0	0	...	-	...			
Total ...	...	..	...	5,15,350	0	0	3,40,350	0	0	5,15,350	0	0	3,28,350	0	0			
5. Miscellaneous—																		
(a) Payment for water for non-domestic purposes ...	1,46,585	11	11				1,15,000	0	0	1,40,000	0	0	1,34,968	6	8			
(b) Sundry Receipts—Waterworks ..	4,500	0	0				3,000	0	0	4,500	0	0	4,500	0	0			
(c) Sale of Lymph ...	217	4	0				50	0	0	150	0	0	82	0	0			
(d) Refund from expenditure of previous year ...	6,159	6	6				1,000	0	0	1,500	0	0	1,901	11	7			
(e) Workshop receipts ..	19,816	5	7				19,400	0	0	20,000	0	0	16,532	3	11			
(f) Suspense ...	...	...	...				...	...	...	80	0	0	1,097	7	0			
(g) Other Items ...	37,700	1	11				10,000	0	0	30,000	0	0	17,502	11	3	The increase was due to a larger income from sale of superstructures on lands acquired by the Corporation. This item includes a revenue of Rs. 460-14-10 from produce of avenue trees and Rs. 1,276-13-3 from sale of avenue clippings.		
Total ...	...	...	...	2,14,978	13	11	1,48,450	0	0	1,96,230	0	0	1,76,584	8	5			
6. Extraordinary and Debt—																		
(a) Realization of Sinking Fund--Interest on Waterworks Loan of 1869-73 ...	...	...	...	45,487	0	0	45,500	0	0	45,200	0	0	44,337	2	5			
Total ...	...	...	...	45,487	0	0	45,500	0	0	45,200	0	0	44,337	2	5			
Advances recovered—																		
i. Permanent ...	135	0	0				...	...	...	70	0	0	20	0	0			
ii. Others ...	41,326	10	8				5,000	0	0	50,000	0	0	12,006	6	0			
Total ...	...	...	..	41,461	10	8	5,000	0	0	50,070	0	0	12,026	6	0			
Total Revenue Account ..	...	...	..	41,45,523	8	8	33,20,640	0	0	41,33,670	0	0	36,00,782	12	7			
Grand Total ...	...	...	...	61,71,434	4	2	62,60,420	0	0	61,59,480	0	0	69,12,749	2	4			

STATEMENT II.—*Expenditure from the Municipal Fund of the City of Madras for the Official Year* 1914-15.

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
I. CAPITAL ACCOUNT—						
GRANT 1.—(*Public Works*)—						
1. New Works—						
(*b*) Buildings ...	1,88,263 5 4		6,01,180 0 0	3,00,130 0 0	3,09,940 4 1	*Vide* para. 66 of the report.
(*c*) Drainage ...	2,31,054 6 3		7,84,000 0 0	2,17,320 0 0	2,52,902 11 8	Estimated and actual expenditure agree very closely considering the uncertainty caused by the war.
(*d*) Water-supply ...	5,78,820 8 11		10,56,000 0 0	5,38,000 0 0	16,78,213 15 7	
Total ...	... ...	9,98,138 4 6	24,41,180 0 0	10 55,450 0 0	2,410 56 15 4	
3. Establishment—						
i. Drainage ...	69,356 14 9		1,65,050 0 0	1,09,830 0 0	64,533 8 11	Decrease due to non-entertainment of a portion of the sanctioned staff.
ii. Water-supply ...	56,222 7 4		71,620 0 0	66,800 0 0	48,652 7 1	
iii. Allowances ...	4,647 13 7		5,680 0 0	5,700 0 0	4,200 1 3	
Total ...	... ...	1,30,227 3 8	2,42,350 0 0	1,82,330 0 0	1,17,386 1 3	
Total Grant I ...	... .	11,28,365 8 2	... ...	12,37,780 0 0	23,58,443 0 7	
GRANT IV.—*Miscellaneous Municipal Purposes*—						
1. Lighting—						
Additional Lamps ...	... .	61,691 10 7	2,50,000 0 0	1,30,000 0 0	31,626 11 1	
Advances Recoverable—						
i. Permanent ...	500 0 0			500 0 0	1,000 0 0	
ii. Others ...	33,504 10 6			11,000 0 0	1,827 11 4	
Total ...	... ...	34,004 10 6	....	11,500 0 0	2,827 11 4	
Total Capital Account ...	... .	12,24,061 13 3	29,33,530 0 0	13,79,280 0 0	23,92,897 7 0	
II. REVENUE ACCOUNT—						
GRANT I.—(*Public Works*)—						
1. New Works—						
(*a*) Communications ...	44,715 5 0	... .	50,960 0 0	96,380 0 0	48,737 6 9	Decrease due to some of the acquisitions not having been completed and to some of the proposals having been withdrawn.

(*b*) Buildings	...	95,907	11	0				1,18,600	0	0	1,55,240	0	0	1,14,139	15	9			
(*c*) Drainage	...	10,857	5	0				6,000	0	0	17,960	0	0	20,160	4	5			
(*d*) Water-supply	...	11,430	10	3				15,000	0	0	18,820	0	0	13,913	10	10			
(*e*) Miscellaneous	...	1,99,748	14	11				41,390	0	0	2,38,420	0	0	12,739	5	2			
	Total ...	...	...	...	3,62,659	14	2	2,31,950	0	0	5,26,820	0	0	2,09,690	10	11			
2. Repairs—																			
(*a*) Communications	...	2,10,673	4	7				3,87,510	0	0	2,52,570	0	0	3,65,198	10	3			
(*b*) Buildings	...	20,982	4	3				28,490	0	0	38,310	0	0	27,001	14	5			
(*c*) Drainage—																			
Repairs to Works, &c.	...	3,16,968	11	2				2,97,68[illegible]	0	0	3,36,620	0	0	2,56,065	10	4			
Establishment	...	52,785	0	6				64,270	0	0	56,170	0	0	45,375	13	5			
Overtime	..	159	13	0				300	0	0	300	0	0	189	2	7			
Allowances	..	1,918	1	1				3,590	0	0	2,290	0	0	1,987	0	8			
(*d*) Water-supply—																			
Repairs to Works, &c.	...	65,318	3	6				89,330	0	0	85,080	0	0	58,138	11	10			
Establishment	...	15,003	9	3				18,070	0	0	15,110	0	0	13,471	3	1			
Allowances	...	1,102	10	0				2,020	0	0	1,480	0	0	1,215	11	8			
(*e*) Miscellaneous	...	1,144	8	10				2,600	0	0	1,750	0	0	147	12	2			
	Total ..	...	..		6,86,056	2	2	8,93,860	0	0	7,89,710	0	0	7,68,791	10	5			
3. Establishment—																			
(*a*) General	...	45,356	15	7				45,600	0	0	46,230	0	0	40,674	11	7			
Allowances	...	4,244	10	11				3,700	0	0	4,350	0	0	2,803	1	0			
(*b*) Steam Road Roller—																			
Establishment	...	4,882	8	9				5,500	0	0	5,300	0	0	4,850	7	2			
Overtime	...	20	5	3				200	0	0	110	0	0	97	4	1			
	Total ...	...	...	...	54,504	8	6	55,000	0	0	55,990	0	0	48,425	7	10	Savings.		
4. Tools and Plant	...	...	...	.	7,589	13	9	31,050	0	0	19,540	0	0	27,320	10	7			
5. Miscellaneous—																			
(*a*) Stationery	...	2,771	14	10				2,780	0	0	3,000	0	0	1,829	7	8			
(*b*) Printing Charges	...	1,669	8	0				2,500	0	0	2,500	0	0	2,667	13	7			
(*c*) Advertising Charges	...	2,961	0	2				4,240	0	0	4,240	0	0	4,346	5	11			
		7,402	7	0	...	...	...	9,520	0	0	9,740	0	0	8,843	11	2			
	Carried over ...				11,10,810	6	7	12,11,860	0	0	13,92,060	0	0	10,54,228	7	9			

Decrease due to some of the works included in the Revised Estimate not having been put in hand during the year, to some works being in progress and to some works having been abandoned.

Decrease due to works completed not having been paid for during the year.

Decrease due to some of the works having been in progress and to works completed not having been paid for.

Savings

Decrease due to engines at Kilpauk Pumping Station not working continually at full capacity, owing to pipe bursts.

Savings.

Savings.

Decrease due to savings in the value of machinery purchased, to claims not preferred and paid for in time and to savings.

Savings.

STATEMENT II.—*Expenditure from the Municipal Found of the City of Madras for the Official Year* 1914-15—(Continued).

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
	RS. A P.	RS. A P.	RS. A P.	RS. A P.	RS. A P.	
Brought forward ...	... ...	11,10,810 6 7	12,11,860 0 0	13,92,060 0 0	10,54,228 7 9	
GRANT I.—(*Concluded*).						
5. Miscellaneous—(Continued).						
(*d*) Law Charges and Stamp Duties ...	1,875 13 9		1,000 0 0	1,450 0 0	1,283 4 6	
(*e*) Office Furniture ...	1,289 7 0		2,000 0 0	2,000 0 0	1,008 14 2	
(*f*) Contingent ...	1,839 15 2		1,600 0 0	1,600 0 0	1,465 12 6	
(*g*) Waterworks Contingent ...	1,097 5 1		1,200 0 0	1,380 0 0	1,027 11 0	
(*h*) Labour-Punkah ...	7 0 0		... ...	... ...	47 8 8	
(*i*) Clothing for Peons and Badges for Road Coolies ...	2,070 14 4		2,000 0 0	2,500 0 0	1,662 4 11	
(*j*) Inspection of dangerous Buildings ..	10 4 10		100 0 0	50 0 0	7 9 0	
Total ...	... ...	15,593 3 2	17,420 0 0	18,720 0 0	15,346 11 11	Savings.
Total, Grant I...	... ...	11,26,403 9 9	12,29,280 0 0	14,10,780 0 0	10,69,575 3 8	
GRANT II.—(*Education*)—						
1. Municipal Schools—						
(*a*) Establishment ...	15,244 7 2		18,410 0 0	16,380 0 0	8,578 2 11	
(*b*) Allowances ...	539 4 7		510 0 0	540 0 0	514 10 3	
(*c*) Other Expenses ...	10,809 9 0		10,650 0 0	10,960 0 0	5,239 3 11	
Total ...	... ...	26,593 4 9	29,600 0 0	27,880 0 0	14,332 1 1	Savings due to opening of new schools late in the year.
2. Miscellaneous—						
(*a*) Teachers' Training Grants ...	798 11 8		1,200 0 0	1,200 0 0	1,000 14 1	Savings.
(*b*) Contributions to Madras Teachers' Guild ...	... .		200 0 0	250 0 0	200 0 0	
Total...	... ...	798 11 8	1,400 0 0	1,450 0 0	1,200 14 1	
Total, Grant II ...	... .	27,392 0 5	31,000 0 0	29,330 0 0	15,532 15 2	
GRANT III.—(*Sanitation and Medical Services*)—						
1. Hospitals and Dispensaries—						
Royapettah Hospital—						
(*a*) Establishment ...	11,457 9 9		13,310 0 0	12,640 0 0	11,891 3 11	Decrease due to non-employment of European nurses.
(*b*) Allowances ...	183 0 0		240 0 0	240 0 0	240 0 0	
(*c*) Medicines and supplies ...	24,353 5 3		22,000 0 0	22,000 0 0	29,263 3 6	Increase due to rise in the price of European medicines.
(*d*) Diets of Patients ...	8,208 1 6		9,000 0 0	8,320 0 0	7,573 12 10	

ii. George Town Dispensary—																					
(a) Establishment	...	4,360	14	3				4,790	0	0	4,460	0	0	4,677	11	2	Savings.				
(b) Allowances	...	...	..	.				...	...	...	...	..	...	126	11	0					
(c) Medicines and supplies	...	6,643	4	9				6,000	0	0	6,000	0	0	5,467	2	8	Increase due to rise in the price of European medicines.				
iii. Baliah Naidu Dispensary—																					
(a) Establishment	...	3,123	4	1				2,730	0	0	3,170	0	0	3,052	10	3					
(b) Allowances	...	44	6	0				...	...	...	30	0	0	...	...	...					
(c) Medicines and supplies	...	4,845	5	8				3,570	0	0	3,570	0	0	5,358	9	8					
iv. Chintadripet Dispensary—																					
(a) Establishment	...	2,054	9	8				2,020	0	0	2,060	0	0	2,081	1	4					
(b) Medicines and supplies	...	1,712	8	0				1,800	0	0	1,800	0	0	1,203	12	3					
v. Raja Sir S. Ramasawmy Mudaliar Lying-in-Hospital—																					
(a) Establishment	...	2,903	6	4				2,470	0	0	2,900	0	0	2,605	3	7					
(b) Allowances	...	120	0	0				120	0	0	120	0	0	55	0	0					
(c) Medicines, and supplies	...	7,007	1	5				5,000	0	0	5,700	0	0	5,772	9	1	Do.				
vi. Washermanpet Dispensary—																					
(a) Establishment	..	1,823	1	2				2,200	0	0	1,930	0	0	778	8	2					
(c) Medicines and supplies	...	3,691	1	2				2,080	0	0	2,780	0	0	1,415	0	10	Do.				
Total .	...	...	..	...	82,530	15	0	77,330	0	0	77,720	0	0	81,562	4	3					
2. (a) Contribution to Provincial Funds—Hospitals	...	20,000	0	0				20,000	0	0	20,000	0	0	20,000	0	0					
(b) Contribution for St. Thomé Dispensary	...	1,600	0	0				1,100	0	0	1,600	0	0	1,100	0	0					
(c) Do. Convent Dispensary	...	240	0	0				240	0	0	240	0	0	240	0	0					
(d) Do. Victoria Caste and Gosha Hospital	...	1,000	0	0				2,000	0	0	1,000	0	0	2,000	0	0					
(e) Do. Sembium Dispensary	..	780	0	0				780	0	0	780	0	0	780	0	0					
(f) Do. Surgeon-General's establishment to consolidate indents.		69	7	6				70	0	0	70	0	0	...	...	...					
(g) Do. Monegar Choultry and Native Infirmary	..	1,500	0	0				1,500	0	0	1,500	0	0	1,500	0	0					
(h) Do. Pasteur Institute of South India, Coonoor	...	250	0	0				250	0	0	250	0	0	250	0	0					
(i) Do. Kalyani Hospital	...	600	0	0				600	0	0	600	0	0	1,200	3	0					
(j) Do. to Kanyaka Parameswari Dispensary	...	1,000	0	0				600	0	0	1,200	0	0	500	0	0					
(k) Do. Venkataramana Dispensary.		200	0	0				...	.	...	...	...	...	100	0	0					
Total ...	...	...	...	...	27,239	7	6	27,140	0	0	27,240	0	0	27,670	0	0					
3. Vaccination—																					
(a) Establishment	...	11,579	5	1				11,300	0	0	11,630	0	0	11,014	0	4	Savings.				
Allowances	...	9	8	6				30	0	0	10	0	0	153	5	10					
(b) Contingencies	...	2,819	0	3				2,500	0	0	2,550	0	0	3,016	13	8	Increase due to unforeseen miscellaneous charges.				
Total ...	...	...	...	.	14,407	13	10	13,830	0	0	14,190	0	0	14,184	3	10					
	...	...	...	...	1,24,178	4	4	1,18,300	0	0	1,19,150	0	0	1,23,416	8	1					
Carried over ...	...	...	..	..	11,53,795	10	2	12,60,280	0	0	14,41,110	0	0	10,85,108	2	10					

STATEMENT II.—*Expenditure from the Municipal Fund of the City of Madras for the Official year* 1914-15—(Continued).

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Brought forward ...	... ...	11,53,795 10 2	12,60,280 0 0	14,40,110 0 0	10,85,108 2 10	
GRANT III.—*(Continued).*	... ...	1,24,178 4 4	1,18,300 0 0	1,19,150 0 0	1,23,416 8 1	
4. Registration of Births and Deaths—						
(*a*) Establishment ...	16,713 13 0		15,760 0 0	16,160 0 0	14,050 11 2	Increase due to payment of leave allowances.
Allowances ...	240 0 0		240 0 0	240 0 0	240 0 0	
(*b*) Contingencies ..	2,761 11 8		1,000 0 0	2,100 0 0	2,381 5 3	Increase due to unforeseen miscellaneous charges.
Total ...	... ...	19,715 8 8	17,000 0 0	18,500 0 0	16,672 0 5	
5. Conservancy—						
(*a*) Establishment—General ...	68,311 13 10		71,310 0 0	67,600 0 0	62,419 15 1	Increase due to payment of leave allowances.
Allowances ...	3,465 1 10		4,000 0 0	3,800 0 0	2,945 11 4	Savings.
(*b*) Hire of Scavengers ...	40,120 12 6		46,240 0 0	44,050 0 0	37,258 15 0	Do.
(*c*) Private Scavenging ..	2,358 10 4		2,460 0 0	2,720 0 0	2,108 10 6	Do.
(*d*) Maintenance of Bullocks—						
Establishment ..	4,627 3 3		5,000 0 0	4,880 0 0	4,777 6 5	Do.
Allowances ...	234 13 5		440 0 0	300 0 0	312 0 8	
Labor, Fodder, contingencies, &c. ...	1,45,089 1 10		1,79,920 0 0	1,41,790 0 0	1,21,442 2 4	Increase due to higher rate of wages to coolies not provided for in the Revised Estimate.
(*e*) Incinerator—						
Establishment ..	1,055 12 1		1,080 0 0	1,080 0 0	1,062 3 3	
Labor ...	18,996 7 8		30,500 0 0	24,000 0 0	17,759 5 0	Savings.
(*f*) Night-soil Depôts and Shoots—						
Establishment ..	1,579 10 2		1,550 0 0	1,600 0 0	1,565 12 2	
Labor ...	8,944 10 7		13,550 0 0	9,720 0 0	10,607 6 5	Dc.
(*g*) Sanding Latrines ...	989 15 0		2,000 0 0	3,500 0 0	1,224 11 1	Do.
(*h*) Maintenance of Cattle Farm—						
Establishmen ..	3,449 2 3		3,450 0 0	3,450 0 0	4,067 7 11	
Labor ...	81,182 1 2		22,800 0 0	81,500 0 0	21,146 6 2	Do.
(*i*) Rent of Lorry Stations and Cart Depôts ...	335 0 0		300 0 0	300 0 0	280 0 0	
(*j*) Burial and Burning Grounds—Labor ...	1,872 0 5		3,000 0 0	2,790 0 0	2,382 6 3	Do.
(*k*) Repair of Carts, Boats and Buckets ...	17,602 13 5		10,000 0 0	19,000 0 0	11,936 2 7	Do.
(*l*) Contingent—General ...	4,992 7 8		4,000 0 0	3,450 0 0	3,887 12 8	
(*m*) Epidemic Charges—						
Establishment and Labor ...	2,68,876 4 9		3,40,250 0 0	2,50,000 0 0	1,29,921 7 9	
(*n*) Milk Depôt—						
Contingencies, &c. ...	... .		... ...	... ...	... ...	
(*o*) Improvement of Parcherries—						
Labor, &c. ...	... ...		... ...	... ...	... .	

(*p*) Road Watering—																		
Establishment	...	2,490	3	1				2,400	0	0	2,400	0	0	2,320	5	11	Increase due to famine batt
Labor	...	17,148	1	8				22,170	0	0	22,170	0	0	18,128	10	4	Savings.
(*q*) Tools and Plant	...	19,997	2	6				18,000	0	0	29,000	0	0	14,821	5	7	Do.
Total	...	...	...	...	7,13,719	5	5	7,84,420	0	0	7,19,010	0	0	4,72,376	4	5	
6. Miscellaneous—																		
(*a*) Stationery	...	2,064	11	6				1,520	0	0	1,710	0	0	1,414	7	10	
(*b*) Printing Charges	...	1,687	8	9				1,500	0	0	1,250	0	0	569	15	11	
(*c*) Advertising Charges	...	370	7	0				800	0	0	770	0	0	1,200	15	0	
(*d*) Law Charges and Stamp Duties	...	119	10	0				300	0	0	320	0	0	143	7	0	
(*e*) Office Furniture	...	792	9	0				300	0	0	2,350	0	0	215	8	7	
(*f*) Labor—Punkah	...	...	...	...				..	...	...	...	...	...	201	11	6	
(*g*) Clothing, Badges and Belts	...	1,447	5	3				1,500	0	0	1,600	0	0	1,677	5	6	
(*i*) Extra Staff	...	40	0	0				120	0	0	100	0	0	...	...	...	
Total	...	...	...	...	6,522	3	6	6,040	0	0	8,100	0	0	5,421	7	4	Savings.
Total, Grant III...		...	...	...	8,64,135	5	11	9,25,760	0	0	8,64,760	0	0	6,17,886	4	3	
GRANT IV.—(*Miscellaneous Municipal Purposes.*)																		
1. Lighting—																		
Establishment	...	1,112	12	10				1,130	0	0	1,530	0	0	1,081	2	2	Decrease due to the allowances to one of the Assistant Engineers for supervising the electric lights having been debited to allowances.
Allowance	..	578	6	2				180	0	0	180	0	0	180	0	0	*Vide* explanation *supra*.
Labor	...	5,469	11	7				6,480	0	0	5,780	0	0	2,707	7	2	
Maintenance	...	70,921	11	8				70,000	0	0	75,000	0	0	70,634	4	3	Savings.
Additional Lamps and Sundries	...	562	5	10				1,000	0	0	1,000	0	0	1,160	7	9	
Repairs to Lamps and Posts	...	3,040	3	10				4,000	0	0	5,000	0	0	5,451	11	5	
Total	...	...	.	...	81,685	3	11	82,790	0	0	88,490	0	0	81,215	0	9	
2. Markets and Slaughter-houses—																		
(*a*) Smithfield Market—																		
Establishment	...	599	3	5				570	0	0	640	0	0	612	0	0	
Labor and Contingencies	..	439	11	11				500	0	0	350	0	0	49	3	1	
(*b*) Moore Market—																		
Establishment	...	2,257	3	8				2,230	0	0	2,320	0	0	2,234	10	7	
Labor and Contingencies	..	6,393	5	4				6,570	0	0	6,570	0	0	7,494	15	4	
(*c*) Slaughter-houses—																		
Establishment	...	3,259	13	11				3,470	0	0	3,400	0	0	3 103	18	11	
Labor and Contingencies	...	15,614	3	5				15,000	0	0	15,000	0	0	17,679	1	4	
Total	...	...	...	...	28,563	9	8	28,340	0	0	28,280	0	0	31,573	12	3	
		...	...	..	1,10,248	13	7	1,11,130	0	0	1,16,770	0	0	1,12,788	13	0	
Carried over	...	...	...	...	20,17,931	0	1	21,86,040	0	0	23,04,870	0	0	17,02,994	7	1	

STATEMENT II.—*Expenditure from the Municipal Fund of the City of Madras for the Official year* 1914-15—(Continued).

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Brought forward ...	... ...	20,17,931 1	21,86,040 0 0	23,04870 0 0	17,02,994 7 1	
GRANT IV.—(*Concluded*).						
	... ...	1,10,248 7	1,11,13 0 0	1,16,770 0 0	1,12,788 13 0	
3. Avenues—						
Establishment ...	724 0 6		970 0 0	990 0 0	313 14 11	
Allowance ...	452 6 9		480 0 0	510 0 0	326 2 1	
Labor ...	6,666 10 5		9,000 0 0	8,000 0 0	5,207 15 1	
Tools and Plant ...	156 2 11		500 0 0	200 0 0	215 7 6	
Total ...	... ...	7,999 4 7	10,950 0 0	9,700 0 0	6,063 7 7	Savings.
4. Public Parks—						
(*a*) People's Park—						
Establishment ...	4,594 3 0		4,250 0 0	4,710 0 0	4,399 0 4	
Allowance	... ...		20 0 0	20 0 0	65 2 0	Do.
Labor, &c. ...	17,825 12 9		20,500 0 0	21,380 0 0	18,769 11 11	
Tools and Plant ...	29 1 10		50 0 0	50 0 0	41 3 1	
(*b*) Napier Park—						
Establishment ...	572 10 4		520 0 0	560 0 0	565 9 5	
Allowances ...	120 0 0		120 0 0	120 0 0	120 0 0	
Labor, &c. ...	729 14 9		750 0 0	740 0 0	649 15 9	
Tools and Plant ...	.. ..		10 0 0	10 0 0	... ...	
(*c*) Robinson Park—						
Establishment ...	1,029 6 2		1,000 0 0	1,030 0 0	1,032 0 0	
Labor, &c ...	4,093 8 7		5,230 0 0	5,230 0 0	4,050 13 4	Do.
Tools and Plant ...	1 5 3		30 0 0	30 0 0	20 1 3	
(*d*) Loane Square—						
Allowances ...	60 0 0		60 0 0	60 0 0	60 0 0	
Labor, &c. ..	1,718 8 7		1,670 0 0	1.670 0 0	1 507 3 11	
Tools and Plant ...	... ...		10 0 0	10 0 0	... ...	
Total ...	... .	30,774 7 3	34,220 0 0	35,620 0 0	31,280 13 0	
5. Survey of Land ...	... ...	14,895 7 10	12,560 0 0	14,700 0 0	12,288 8 1	Increase due to retention of two temporary draftsmen not provided for in the Revised Estimate.
6. Fire—						
Establishment ...	3,269 6 2		4,130 0 0	3,750 0 0	5,759 7 10	
Labor, &c. ...	8,023 4 3		8,140 0 0	13,040 0 0	4,785 1 1	
Allowances ...	... ...		... ...	300 0 0	... ...	
Tools and Plant ...	149 7 5		33,000 0 0	3,600 0 0	2,654 13 11	
Total ...	... ...	11,442 1	45,270 0 0	20,690 0 0	13,199 6 10	Savings.

7. Other Charges—																		
(*a*) Esplanades	...	243	0	6				320	0	0	270	0	0	265	5	9		
(*b*) Quit-rent	...	4,335	9	8				6,000	0	0	5,080	0	0	4,442	12	8	Savings.	
(*c*) Payment for Red Hills water	...	24,374	0	0				25,000	0	0	25,000	0	0	24,935	0	0	Do.	
(*d*) Rewards for destruction of Dogs and Venomous Snakes	...	2,981	15	6				4,020	0	0	3,100	0	0	3,531	1	6		
(*e*) Municipal Proceedings, &c., Charges—																		
Stationery	...	602	4	3				1,000	0	0	1,000	0	0	737	10	10		
Printing	...	1,803	10	0				4,800	0	0	4,800	0	0	3,522	6	5		
Advertising	...	2,576	10	0				1,500	0	0	1,500	0	0	2,171	6	0		
(*f*) Law Charges—																		
Establishment	...	2,400	0	0				2,400	0	0	2,100	0	0	2,350	0	0		
Stamp, &c., Charges	...	1,619	9	3				100	0	0	1,900	0	0	16,218	1	0		
(*g*) Election Charges	...	847	6	2				1,000	0	0	1,000	0	0	824	7	0		
(*h*) Tin Tickets	...	1,406	12	6				800	0	0	900	0	0	734	1	0		
(*i*) Tools and Plant	...	102	6	11				100	0	0	150	0	0	2,812	8	0		
(*j*) Contribution to Provincial Funds, General	...	...	...	...				...	...	...	...	...	...	50,000	0	0		
(*k*) Stores—																		
Establishment	...	5,252	10	9				5,280	0	0	5,350	0	0	5,136	14	0	} Savings.	
Contingencies—																		
Coolies for Stock-taking Stationery, Clothing, &c.		1,084	8	1				2,000	0	0	2,000	0	0	1,520	2	2		
(*l*) Workshops—																		
Establishment	...	11,128	13	0				11,000	0	0	11,000	0	0	10,849	8	0	Increase due to leave allowance	
Allowances	...	363	9	3				430	0	0	430	0	0	293	0	1	} Savings.	
Labor and Contingent	...	7,566	8	7				8,000	0	0	8,630	0	0	7,933	4	1		
(*m*) Insurance on Municipal Buildings	...	3,355	13	0				2,500	0	0	3,360	0	0	2,132	7	5		
(*n*) Public Ceremonies	...	119	14	0				...	...	...	250	0	0	3,582	10	3		
(*o*) Motor Car—																		
Establishment	...	965	0	0				900	0	0	940	0	0	900	0	0		
Maintenance	...	3,241	14	7				5,000	0	0	5,000	0	0	5,014	3	0	Savings.	
(*p*) Office Tapal	...	1,940	14	3				2,020	0	0	1,970	0	0	1,979	12	11		
(*q*) Loss on Municipal Stores	...	6,221	7	5				...	...	...	...	...	...	...	...	...		
(*r*) Census	...	...	...	...				...	...	...	...	...	...	...	...	...		
(*s*) Contribution for St. Patrick's Orphanage, Adayar.		...	...	...				...	..	...	...	...	..	...	...	...		
(*t*) Charges for the treatment of patients at the Pasteur Institute, Coonoor	...	249	12	0				200	0	0	240	0	0	180	4	0		
(*u*) Contribution to the Madras Society for Protection of Children	...	...	...	...				...	...	...	.....	.	...	...	...	...		
(*v*) Other Items	...	19,068	12	4				12,690	0	0	19,280	0	0	6,500	13	2		
Total ...					1,03,882	14	0	97,060	0	0	1,05,490	0	0	1,58,867	11	3		
Total, Grant IV ...					2,79,243	1	1	3,11,190	0	0	3,02,970	0	0	3,34,488	11	9		
GRANT V.—(*Supervision and Management*)—																		
1. (*a*) Salaries of Officers	...	33,885	15	6				36,900	0	0	33,990	0	0	36,860	11	7		
(*b*) Allowance	...	900	0	0				960	0	0	960	0	0	762	3	4		
Total ...					34,785	15	6	37,860	0	0	34,950	0	0	37,622	14	11		
					34,785	15	6	37,860	0	0	34,950	0	0	37,622	14	11		
Carried over ...					22,97,174	1	2	24,97,230	0	0	26,07,840	0	0	20,37,483	2	10		

STATEMENT II.—*Expenditure from the Municipal Fund of the City of Madras for the Official year* 1914-15—(Continued).

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Brought forward ...		22,97,174 1 2	24,97,230 0 0	26,07,840 0 0	2,037,483 2 10	
		34,785 15 6	37,860 0 0	34,950 0 0	37,622 14 11	
GRANT V.—(*Concluded*).						
2. Head Office—						
(*a*) Establishment ...	26,130 7 8		24,680 0 0	25,880 0 0	23,988 10 4	Increase due to payment of leave allowances.
Allowance ...	1,200 0 0		1,200 0 0	1,200 0 0	1,202 10 10	
(*b*) Stationery ...	1,810 1 7		900 0 0	1,300 0 0	943 1 8	
(*c*) Printing Charges ...	636 4 3		600 0 0	600 0 0	607 2 2	
(*d*) Advertising Charges ...	19 12 0		30 0 0	30 0 0	30 0 0	
(*e*) Office Furniture ...	942 1 10		300 0 0	1,550 0 0	329 10 2	
(*f*) Contingent ...	2,048 13 5		1,000 0 0	1,300 0 0	1,120 4 9	
(*g*) Labor-Punkah ...	2,168 10 0		1,280 0 0	1,920 0 0	521 0 11	
(*h*) Clothing for Peons ...	588 1 3		360 0 0	600 0 0	300 13 1	
Total ...		35,544 4 0	30,350 0 0	34,380 0 0	29,043 5 11	
3. Assessment and Collection—						
(*a*) Establishment ...	80,394 3 7		75,000 0 0	81,090 0 0	76,472 8 2	
Allowances ...	4,725 2 5		4,990 0 0	4,950 0 0	2,545 14 9	
(*b*) Stationery ...	3,082 12 9		2,500 0 0	3,000 0 0	2,109 0 7	
(*c*) Printing Charges ...	3,447 6 10		4,000 0 0	3,700 0 0	3,367 15 5	
(*d*) Advertising Charges ...	1,322 8 0		1,200 0 0	1,400 0 0	653 15 0	
(*e*) Law Charges and Stamp Duties ..	5,470 5 4		5,030 0 0	5,600 0 0	3,527 13 0	
(*f*) Office Furniture ...	7,019 11 11		300 0 0	3,400 0 0	180 4 1	
(*g*) Contingent ...	4,985 4 7		3,200 0 0	4,500 0 0	4,363 10 0	
(*h*) Labor-Punkah ..	414 8 7		470 0 0	420 0 0	548 11 11	
(*i*) Clothing for Inspectors and Peons ...	900 0 6		1,600 0 0	1,600 0 0	1,602 2 9	
(*j*) Extra Writers, Coolies and Carts ...	6,296 0 10		6,000 0 0	6,300 0 0	5,793 7 0	
(*k*) Commissioners' Fees ...	300 0 0		450 0 0	450 0 0	320 0 0	
(*l*) Numbering Doors ...	961 7 1		300 0 0	300 0 0	167 8 3	
Total ..		1,19,319 11 5	1,05,040 0 0	1,22,710 0 0	1,01,652 14 11	Savings
Total, Grant V ...		1,89,649 14 11	1,73,250 0 0	1,92,040 0 0	1,68,319 3 9	

Sinking Fund—																				
* W. W. Loan, 1869—73			14,30,000	...	28,600	0	0				28,600	0	0	28,600	0	0	28,600	0	0
G. T. Drainage Loan,		1883	3,00,000	...	...						...	...	...	...	...	...	1,748	7	6
Do.	do.	1885	18,000 / 2,82,000		5,720	0	0				5,720	0	0	5,720	0	0	5,720	0	0
Do.	do.	1887	1,00,000	...	820	0	0				820	0	0	820	0	0	820	0	0
Do.	do.	1888	1,50,000	...	1,200	0	0				1,200	0	0	1,200	0	0	1,200	0	0
Do.	do.	1889	1,50,000	...	1,200	0	0				1,200	0	0	1,200	0	0	1,200	0	0
Water-works Loan,		1889	20,000	...	170	0	0				170	0	0	170	0	0	170	0	0
G. T. Drainage Loan,		1890	40,000	.	400	0	0				400	0	0	400	0	0	400	0	0
Water-works Loan,		1895	4,00,000	.	3,050	0	0				3,050	0	0	3,050	0	0	3,050	0	0
Market Loan,		1897	1,00,000	...	750	0	0				750	0	0	750	0	0	750	0	0
Plague Loan,		1899	2,00,000	...	1,520	0	0				1,520	0	0	1,520	0	0	1,520	0	0
Water-works Loan,		1899	50,000	...	380	0	0				380	0	0	380	0	0	380	0	0
Drainage Loan,		1899	4,20,000	..	3,190	0	0				3,190	0	0	3,190	0	0	3,190	0	0
Market Loan,		1899	1,50 000	...	1,140	0	0				1,140	0	0	1,140	0	0	1,140	0	0
Drainage Loan,		1900	7,80,000	..	5,930	0	0				5,930	0	0	5,930	0	0	5,930	0	0
Water-works Loan,		1900	1,50,000	...	1,140	0	0				1,140	0	0	1,140	0	0	1,140	0	0
Plague Loan,		1900	1,00,000	...	760	0	0				760	0	0	760	0	0	760	0	0
Sewer Loan,		1901-1902	1,20,000	...	910	0	0				910	0	0	910	0	0	910	0	0
Drainage Loan,		1901-1902	2,00,000	...	1,520	0	0				1,520	0	0	1,520	0	0	1,520	0	0
Do.		1903	5,00,000	...	3,800	0	0				3,800	0	0	3,800	0	0	3,800	0	0
* Do.		1905	7,00,000	.	17,019	11	8				17,020	0	0	17,020	0	0	16,358	13	4
Special Buildings Loan,		1907	1,00,000	...	2,100	0	0				2,100	0	0	2,100	0	0	2,100	0	0
* Drainage Loan.		1908	4,00,000	...	8,642	14	8				8,640	0	0	8,640	0	0	8,307	4	10
Special Buildings Loan,		1909	4 25,000	...	8,920	0	0				8,920	0	0	8,920	0	0	8,920	0	0
Napier Bridge Loan,		1909	1,00,000	...	2,100	0	0				2,100	0	0	2,100	0	0	2,100	0	0
* Drainage Loan,		1909	4,00,000	...	8,307	4	10				8,300	0	0	8,300	0	0	7,984	11	5
Napier Bridge Loan,		1910-1911	50,000	...	1,040	0	0				1,040	0	0	1,040	0	0	1,010	0	0
* Drainage Loan,		1911	1,00,000	...	1,917	9	2				1,910	0	0	1,910	0	0	1,843	1	9
Special Buildings Loan,		1912	3,00,000	...	6,300	0	0				6,300	0	0	6,300	0	0	6,300	0	0
Do.		1913	3,42,000	...	7,180	0	0				7,180	0	0	7,180	0	0	...	...	...
Do.		1914	2,00,000	...	3,120	0	0				4,160	0	0	3,120	0	0	...	.	..
Do.		1915	1,70,000	...	...		...				2,780	0	0	...	...	...	...	...	...
Electric Lighting Loan,		1914	50,000	...	780	0	0				1,040	0	0	780	0	0	...	...	...
Do.		1915	1,30,000	...	...	...	...				1,300	0	0	...	...	...	...	...	...
		Total		...	...	...	...	1,29,627	8	4	1,34,990	0	0	1,29,610	0	0	1,18,902	6	10
		Carried over		...	...	...	...	26,16,451	8	5	28,05,470	0	0	29,29,490	0	0	23,24,704	13	5

* Loans taken from Government.

STATEMENT II.—*Expenditure from the Municipal Fund of the City of Madras for the Official year* 1914-15—(Concluded).

Items.	Actuals, 1914-15. Details of Minor Heads.	Actuals, 1914-15. Totals of Major Heads.	Budget Estimate for 1914-15.	Revised Estimate for 1914-15.	Actuals, 1913-14.	Explanation of variations between the Actuals and the Revised Estimate of 1914-15.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Brought forward ...	.. ..	26,16,451 8 5	28,05,470 0 0	29,29,490 0 0	23,24,704 13 5	
Interest—						
* 4 % W. W. Loan, 1869-73 14,30,000 ...	57,200 0 0		57,200 0 0	57,200 0 0	57,200 0 0	
„ G. T. Drainage Loan, 1883 1,00,000 }	175 0 0		... ...	350 0 0	7,350 0 0	
„ Do. do. 1883 3,00,000 } ...						
„ Do. do. 1885 18,000 }						
6 % Do. do. 1885 2,82,000 } ...	17,760 0 0		17,820 0 0	17,880 0 0	18,171 0 0	
„ Do. do. 1887 1,00,000 ...	6,810 0 0		6,000 0 0	6,810 0 0	5,190 0 0	
5 % Do. do. 1888 1,50,000 ...	7,500 0 0		7,500 0 0	7,500 0 0	7,500 0 0	
„ Do. do. 1889 1,50,000 ...	7,500 0 0		7,500 0 0	7,500 0 0	7,500 0 0	
„ W. W. Loan, 1889 20,000 ...	1,000 0 0		1,000 0 0	1,000 0 0	1,000 0 0	
„ G. T. Drainage Loan, 1890 50,000 ...	2,500 0 0		2,500 0 0	2,500 0 0	2,500 0 0	
4 % W. W. Loan, 1895 4,00,000 ...	16,000 0 0		16,000 0 0	16,080 0 0	15,920 0 0	
„ Market Loan, 1897 1,00,000 ...	4,000 0 0		4,000 0 0	4,000 0 0	4,000 0 0	
„ Plague Loan, 1899 2,00,000 ...	8,000 0 0		8,000 0 0	8,000 0 0	8,000 0 0	
„ Water-works Loan, 1899 50,000 ...	2,008 0 0		2,000 0 0	2,000 0 0	1,992 0 0	
„ Drainage Loan, 1899 4,20,000 ...	16,800 0 0		16,800 0 0	16,800 0 0	16,800 0 0	
„ Market Loan, 1899 1,50,000 ...	5,820 0 0		6,000 0 0	6,040 0 0	5,990 0 0	
„ Drainage Loan, 1900 7,80,000 ...	31,168 0 0		31,200 0 0	31,280 0 0	32,676 0 0	
„ Water-works Loan, 1900 1,50,000 ...	6,000 0 0		6,000 0 0	9,600 0 0	4,796 0 0	
„ Plague Loan, 1900 1,00,000 ...	3,800 0 0		4,000 0 0	4,000 0 0	4,000 0 0	
„ Sewer Loan, 1901-1902 1,20,000 ...	4,980 0 0		4,800 0 0	6,220 0 0	4,280 0 0	
„ Drainage Loan, 1901-1902 2,00,000 ...	7,964 0 0		8,000 0 0	8,890 0 0	10,390 0 0	
„ Do. 1903 5,00,000 ...	20,220 0 0		20,000 0 0	20,420 0 0	19,600 0 0	
* „ Do. 1905 7,00,000 ...	23,255 7 6		23,250 0 0	23,250 0 0	23,916 5 10	
„ Special Buildings Loan, 1907 1,00,000 ...	3,920 0 0		4,000 0 0	4,550 0 0	3,760 0 0	
* „ Drainage Loan, 1908 4,00,000 ...	14,377 1 4		14,380 0 0	14,380 0 0	14,712 11 2	
„ Special Buildings Loan, 1909 4,25,000 ...	16,988 0 0		17,000 0 0	17,000 0 0	17,480 0 0	
„ Napier Bridge Loan, 1909 1,00,000 ...	4,000 0 0		4,000 0 0	4,000 0 0	4,000 0 0	
* „ Drainage Loan, 1909 4,00,000 ...	14,712 11 2		14,710 0 0	14,710 0 0	15,035 4 7	
„ Napier Bridge Loan, 1910-11 50,000 ...	2,000 0 0		2,000 0 0	2,080 0 0	3,214 0 0	
* „ Drainage Loan, 1911 1,00,000 ...	3,836 6 10		3,840 0 0	3,840 0 0	3,910 14 3	
„ Special Buildings Loan, 1912 3,00,000 ...	12,000 0 0		12,000 0 0	12,000 0 0	12,000 0 0	
Do. 1913 3,42,000 ...	13,490 0 0		13,680 0 0	13,680 0 0	... ...	
Do. 1914 2,00,000 ...	3,820 0 0		8,000 0 0	4,000 0 0	... ...	
Do. 1915 1,70,000 ...	... ...		... ...	... ...	... ...	
Electric Lighting Loan, 1914 50,000 ...	1,000 0 0		2,000 0 0	1,000 0 0	... ...	
Do. 1915 1,30,000 ...	... ...		... ...	... ...	... ...	
Total ...	... ...	3,40,604 10 10	3,45,180 0 0	3,48,560 0 0	3,32,884 3 10	Decrease due to claims not preferred and paid for in the year.

Advances Recoverable—																			
i. Permanent	...	165	0	0				...	...	...	100	0	0	30	0	0			
ii. Others	...	31,254	13	5				1,000	0	0	5,000	0	0	43,610	10	3			
Total	...	...	...	...	31,419	13	5	1,000	0	0	5,100	0	0	43,640	10	3			
Refund of other than current collections	...	...	...	...	65,640	3	0	42,000	0	0	60,000	0	0	42,620	14	3			
Discount	...	...	..	...	18,582	8	0	...	..	..	18,590	0	0	3,202	8	0			
Pensions and Gratuities—																			
(*a*) Superior Grade	...	22,771	10	9				18,000	0	0	22,500	0	0	17,639	8	2			
(*b*) Inferior Grade	...	1,576	14	7				1,130	0	0	1,490	0	0	1,963	14	10			
Total	...	...	...	...	24,348	9	4	19,130	0	0	23,990	0	0	19,603	7	0			
Total Revenue Account	...	...	...	.	30,97,047	5	0	32,12,780	0	0	33,85,730	0	0	27,66,656	8	9			
Total Expenditure	...	...	...	...	43,21,109	2	3	61,46,310	0	0	47,65,010	0	0	51,59,553	15	9			
Closing Balance—																			
i. Capital Account—																			
General Fund	...	2,19,211	12	3				1,870	0	0	1,07,350	0	0	37,475	1	7			
Water and Drainage Fund	...	4,95,955	7	8				4,380	0	0	5,20,810	0	0	9,13,220	8	3			
Lighting Fund	...	86,681	10	4				...	...	...	18,370	0	0	--31,626	11	1			
Total	...	...	...	...	8,01,848	14	3	6,250	0	0	6,46,530	0	0	9,19,068	14	9			
ii. Revenue Account—																			
General Fund	...	10,11,526	7	0				86,350	0	0	7,14,890	0	0	8,19,939	5	1			
Water and Drainage Fund	...	...	...	...				...	...	...	...	...	...	...	...	...			
Lighting Fund	...	36,949	12	8				21,510	0	0	33,050	0	0	14,186	14	9			
	...	..	...		10,48,476	3	8	1,07,860	0	0	7,47,940	0	0	8,34,126	3	10			
Total	...	...	...	...	18,50,325	1	11	1,14,110	0	0	13,94,470	0	0	17,53,195	2	7			
Grand Total	...	...	...	...	61,71,434	4	2	62,60,420	0	0	61,59,480	0	0	69,12,749	2	4			

* Loans from Government.

N.B.—Sums aggregating Rs. 11,51,096-2-3 were transferred from the General Fund to the credit of the Water and Drainage Fund to close the latter account in pursuance of G.O. No. 519 M., Local and Municipal, dated 4th June 1887, up to 31st March 1915.

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1915 and forming the Opening Balances of 1915-1916.

			RS. A. P.	RS. A. P.	RS. A. P.
List of Liabilities or Credit Balances transferred to the ensuing year—					
BALANCE OF LOANS—					
*Waterworks Loan of 1869-73					14,30,000 0 0
G. T. Drainage Loan	1885				3,00,000 0 0
Do	1887				1,00,000 0 0
Do	1888				1,50,000 0 0
Do	1889				1,50,000 0 0
Waterworks Loan	1889				20,000 0 0
G T. Drainage Loan	1890				50,000 0 0
Waterworks Loan	1895				4,00,000 0 0
Market Loan	1897				1,00,000 0 0
Plague Loan	1899				2,00,000 0 0
Waterworks Loan	1899				50,000 0 0
Drainage Loan	1899				4,20,000 0 0
Market Loan	1899				1,50,000 0 0
Drainage Loan	1900				7,80,000 0 0
Waterworks	1900				1,50,000 0 0
Plague Loan	1900				1,00,000 0 0
Sewer Loan	1901-02				1,20,000 0 0
Drainage Loan	1901-02				2,00,000 0 0
Do	1903				5,00,000 0 0
* Do	1905				5,68,579 12 11
Special Buildings Loan	1907				1,00,000 0 0
*Drainage Loan	1908				3,52,923 8 11
* Do	1909				3,61,566 7 9
Special Buildings Loan	1909				4,25,000 0 0
Napier Bridge Loan	1909				1,00,000 0 0
Do	1910-11				50,000 0 0
*Water-supply and Drainage Loan	1910-11				94,467 12 5
Special Buildings Loan	1912				3,00,000 0 0
Do	1913				3,42,000 0 0
Do	1914				2,00,000 0 0
Electric Lighting Loan	1914				50,000 0 0
Do	1915				1,30,000 0 0
Special Buildings Loan	1915				1,70,000 0 0
Deposits to be adjusted					3,18,708 11 0
Unpaid Liabilities					1,96,755 0 0
List of Assets or Debit Balances transferred to the ensuing year—					
MUNICIPAL BALANCE—					
Revenue			10,48,476 3 8		
Loan			8,01,848 14 3		
				18,50,325 1 11	
DEPOSIT BALANCE—					
Cash			48,697 3 3		
Fixed Deposit			79,111 7 9		
Government Securities, etc.			1,90,900 0 0		
				3,18,708 11 0	
SINKING FUND FOR THE LIQUIDATION OF					
*Waterworks Loan of	1869-73		13,20,600 0 0		
George Town Drainage Loan of	1885		2,90,110 1 4		
Do Do „	1887		35,106 15 9		
Do Do „	1888		49,061 2 10		
Do Do „	1889		47,383 10 5		
Waterworks „	1889		6,388 14 0		
Drainage „	1890		14,813 2 8		
Waterworks „	1895		88,935 7 3		
Market „	1897		20,513 1 5		
Plague „	1899		33,163 1 3		
Waterworks „	1899		8,139 4 2		
Drainage „	1899		68,655 9 8		
Market „	1899		24,519 10 6		
Drainage „	1900		1,17,645 14 10		
Waterworks „	1900		22,276 6 4		
Plague „	1900		15,006 3 7		
Sewer „	1901-02		15,306 0 4		
Drainage „	1901-02		24,925 5 6		
Do „	1903		56,655 1 9		
Special Buildings „	1907		19,503 13 4		
Do „	1909		50,774 3 3		
Napier Bridge „	1909		11,986 9 9		
Do „	1910-11		4,375 3 9		
Special Buildings	1912		19,375 1 1		
Do „	1913		6,638 10 3		
Do „	1914		2,911 12 7		
Electric Lighting „	1914		721 11 1		
				23,75,492 2 8	
		Carried over	...	45,44,525 15 7	91,30,001 5 0

* Loans from Government.

Statement showing the Liabilities and Assets as closed in the Books on the 31*st March* 1915 *and forming the Opening Balances of* 1915–1916—(Continued).

Divisions.	Description of Buildings.	Amount. Rs.
1	Shed for the peons, &c., of the Hindu Burial Ground in Suriyanarayana Chetty Street ...	100
	Shed for the lascars of north main drain in North Beach Road	480
	A Vaccination Depot (zinc shed) in Mannarswamy Covil Street	350
	Sewage Farm Overseer's Office	450
	Shed for storing hay in the sewage farm	800
2	Vaccination Depot in Thiruvathiur High Road junction of Cumbalammen Covil Road...	300
	Cattle shed in Robinson Park	3,000
	Teakwood wood house for fernery at Robinson Park	1,760
	Reservoir for water near band stand in Robinson Park	310
	Compound wall to Robinson Park	250
	Superintendent's Office at Robinson Park	5,950
	Kitchen in Robinson Park	400
	Peon's quarters at Robinson Park	780
	Foliage shed in front of the gate in Robinson Park	1,000
	Pumping shed and two wells in Robinson Park	2,000
	Corrugated zinc shed for the fire engine Station at Royapuram Pumping Station ...	600
	Fire engine shed close to the temple gate in Mannarsami Covil Street ...	250
	Georgetown Dispensary at Monegar Choultry	10,000
	Vaccination shed in Monegar Choultry Road	1,900
	Tiled shed Toll Gate, Tiruvattiyur High Road	500
	Overseer's Office and store room of 2nd Division in Mint Street	3,000
	Sanitary Inspector and Works Department Overseer's Office, Ebramji Sahib Street ...	2,820
	Raja Sir Ramaswamy Mudaliar Lying-in-Hospital	26,450
	Contagious wards attached to the do.	5,850
	Kichen in Lying-in-Hospital	1,400
	Roller shed in Slaughter House Road	980
	Model Paracherry, Cemetery Road	39,520
	Drivers' Lines in Slaughter House Road	14,000
	Bazaars attached to Drivers' Lines	1,000
	Monegar Choultry Cart Depot bullock sheds (5)	20,970
	Tiled shed for 12 pairs of bullocks in H bullock depot, Slaughter House Road ...	1,750
	Tiled shed for 6 pairs of sick bullocks in H bullock depot, Slaughter House Road ...	1,650
	Gram shed at H bullock depot.	1,000
	Pumping Station, zinc shed and well in Tiruvattiyur High Road, near 2nd Division Overseer's Office	500
	Model School in Sanjeevirayan Covil Street	12,860
3	Monegar Choultry Cart depot (A depot bullock sheds)	5,450
	Burial ground cart depot (C depot bullock sheds)	5,370
	Shed for Rubbish Depot Superintendent at Manali Bridge	200
	Toll Gate Building No. 3, Manali	440
	Overseer's Office and Vaccination depot in Tiruvattiyur High Road	4,000
	Coolies' shed at Korukupet	590
	Superintendent's Office, Korukupet Rubbish depot	500
	Drivers' Lines at Kathiwakam High Road	9,750
	Shelter shed at Washermanpet Burial and Burning Ground for Hindus	1,000
	Do do do Chetties ...	1,000
	Do do do Brahmins ...	300
	Do do do Pariahs ...	300
	Toll-Gate Old Ennore Road	350
	Gram shed at C Bullock depot	1,000
	Corporation Model School in Mint Subbarayalu Naidu Street	10,000
4 & 5	Fire engine shed, Jehanghir Street	1,400
	Municipal 5th Division Store, Thambu Chetty Street, including bathing fountain ...	1,500
	Building at the junction of Errabalu Chetty Street and Broadway	7,000
	Model Mahomedan Hutting Ground in Salai Vinayagar Covil Street	6,730
6 & 7	Model Paracherry Vasapmode old	25,000
	Do do new	3 ,000
	Superintendent's Office and bullock sheds at Basin Bridge Road	7,000
	Overseer's Office and Bathing Fountain at Govindappa Naick Street	1,500
	Storekeeper's Office, old Basin Road	200
	Corporation Model School in Malayappan Street	14,000
8 & 9	Municipal Stores and Workshops, including additional buildings since erected ...	55,000
	Trevelyan Wharf	7,000
	Portion of Police Station in Wall Tax Road	380
	Superintendent's shed at the Wharf in Wall Tax Road	180
	Municipal Cart-stand and Bathing Fountain, Elephant Gate Road	6,900
	Bathing Fountain in Badriah Garden Street	1,500
	Building Overseer's Office, 8th and 9th Divisions	3,100
10 & 11	Incinerator, Basin Esplanade Road	1,01,900
	Shed for the Superintendent of the Incinerator, Basin Esplanade Road	300
	Lethal Chamber at Basin Esplanade Road	1,200
	Mantapam at DeMellows Road burial and burning ground	1,620
	Pig Pen, DeMellows Road	1,400
	Pig Slaughter House, DeMellows Road	450
	Bullock Slaughter House, Gantz Road	33,000
	Sheep Slaughter House, Gantz Road	53,300
	Carried over ...	5,66,740

Statement showing the Liabilities and Assets as closed in the Books on the 31*st March* 1915 *and forming the Opening Balances of* 1915-1916—(Continued).

Divisions.	Description of Buildings.	Amount. Rs.
	Brought forward...	5,66,740
10 & 11	Superintendent's quarters, Perambore Bullock Slaughter House	4,430
	Chief Superintendent's quarters Slaughter House and Drivers' Lines, "Hope Lodge"	10,400
	Toll gate building in Erukanjeri Road	1,220
	Do in Perambore High Road	400
	Do in Connoor Road	400
	Do in Madavaram Road...	400
	Do in Perambur Tank Road	190
	Overseer's Office and Stores, 10th Division	1,000
	Rat Station at Puliantope Road	600
	Shed in Vyasarpady burial ground	400
	Smithfield Market in Avadanam Paupier Road	17,700
	Vaccination depot in Rutler's Road	1,000
	Conservancy cart depot with Superintendent's Office, Chulai	11,790
	Baliah Naidu Dispensary, Rutler's Lane	9,160
	Corporation Model School in Vaikaikaran Street	16,450
	School in Kalathiappa Mudaly Street	6,600
12 & 13	Fire Engine Shed at Vepery Police Station	400
	Moore Market with Electric Engine shed, People's Park	3,02,310
	Moore Market New Evening Bazaar with restaurants	86,000
	Superintendent's quarters, People's Park	6,150
	Band Stand in People's Park	2,030
	Sergeant's quarters in People's Park	2,770
	Menagerie shed with the shed at the entrance in the People's Park	10,000
	Shed in the Island for swans and other birds in People's Park	2,850
	Foliage Shed in People's Park	1,000
	Bear's cage in People's Park	6,000
	New Aviary in People's Park	5,700
	Pumping station in People's Park	500
	Store shed in the Menagerie, People's Park	880
	Overseer's Office and Stores, Gangathareswarer Covil Road	1,330
	New Corporation Office Buildings, Periamet	7,50,000
	Model School in Poonamallee High Road	12,000
	Overseer's Office and Stores, Harris Road	1,200
	Vaccination Depot, Poonamallee High Road near Spur Tank	1,500
	Incinerator, pumping station and compound wall, etc., Langs Garden Road ...	1,170
	Steam Road Roller shed inside the compound wall of the Langs Garden Pumping Station	950
	Cart depot including bullock sheds and Sanitary Overseer's Office, etc., in Harris Road.	12,000
	Gram shed, Harris depot	1,000
	Motor fire engine shed and drivers' quarters, Pudupet	10,500
	Anglo-Indian model dwellings in Nariangadu	26,000
14 & 15	Corporation Model School at Goyatope	13,500
	Rest-house in Otary Burial and Burning Ground	310
	Toll Gate No. 8. in Madavakam Tank Road	490
	Toll Gate No. 9. in Kilpauk Garden Road	490
	Do 10 in Poonamallee Road, Chetput	490
	Do 11 in Harrington Road, Chetput	170
	Do in Subbaraya Gramany Street	380
	Sheds for tools and plants in Otary Burial Ground	280
	Dhobykhana in McNicholas Road	30,900
	Corporation Panchama School at Chetput	8,800
	Rubbish Depot Shed in Brick Kiln Road	260
	Walkmans's cottage and channel Overseer's quarters	7,440
	Toll Gate No. 8 (*a*) in Subbaraya Chetty Street	380
	Overseer's Office and Stores in Village Road	1,330
	Toll Gate No. 12 Kodambakum Road	490
	Tiled shed in the north of Sterlings Road, Nungambakkam burial ground ...	530
16 & 17	Corporation Model School in Azizmulk Street, Thousand Lights	13,400
	Shed for ambulance in Napier's Park	380
	Napier's Park Superintendent's shed and Waterworks Overseer's office and store room	1,050
	Napier's Park gatekeeper's lodge at the west entrance	460
	Dispensary, Vaccination Depot and Sanitary Inspector's Office in Arunachella Naick Street, Chintadripet	11,700
	Cement shed in Napiers Park	1,300
	Store shed in Napiers Park	1,150
	Cement testing shed in Napiers Park	450
	Gatekeeper's lodge at the east entrance of Napiers Park	500
	Manual fire engine shed at F. 1 Police Station, Chintadripet	1,300
	Old pumping engine house now occupied by sewer cleaning staff and special plague Medical Officer	6,500
	Vaccination Depot at Pulibone Bazaar in Pycrofts Road	600
	Building Overseer and Road Overseer's Office and Stores in the 17th Division, Balamuthu Street	2,450
	Carried over...	20,00,600

Statement showing the Liabilities and Assets as closed in the Books on the 31*st March* 1915 *and forming the Opening Balances of* 1915-1916—(Continued).

Divisions.	Description of Buildings.	Amount. Rs.
	Brought forward...	20,00,600
16 & 17	Model School in Vallabha Agraharam Street	12,000
	Do in Arunachala Naicken Road	14,500
	Corrugated iron shed in Veeran Parachery	200
	Do at Chetty's Garden for keeping the night-soil buckets, etc. ...	130
	Public bathing fountain in Veeraraghava Mudaly Street	1,000
18 & 15	Steam Road Roller shed, Westcott Road	700
	Overseer's Office, 18th Division, Pycrofts Road	2,000
	Two bathing fountains in Ice House Road	700
	Sanitary Inspector's Office in Chengalraya Mudali Street	1,500
	Vaccination Depot at the junction of Mount Road and White's Road	1,020
	Old depot of Registrar of Births and Deaths, Mount Road	800
19 & 20	Isolation Hospital, Krishnampet	17,000
	Incinerator at Krishnampet	15,000
	Shed for the Superintendent of the Incinerator at Krishnampet	450
	Overseer's Mustering Depot shed, Kristnampet	600
	Krishnampet Cart Depot	4,700
	Barber's Bridge Cart Depot	4,000
	Krishnampet School with compound wall	6,500
	Royapettah Hospital including Sub-Assistant Surgeons, Nurses' quarters and store shed.	2,43,740
	Wharf with crane, etc., at Venkatarangam Pillai Street	250
	Vaccination Depot, Cutcheri Road	450
	Shed at Mylapore Hindu burial and burning ground	100
	Damodar Street Panchama School	8,000
	Wharf with crane in Ellapatha Matha Covil Road	350
	Tevnampet Manual Fire Engine Shed	400
	Lethal Chamber, Krishnampet	1,500
	Two tiled sheds in Krishnampet burial ground	210
	Peon's room for Krishnampet burial ground	350
	Toll Gate in Mount Road	300
	Do Chamier's Road	100
	Do Adyar Bridge Road	250
	Overseer's Office and store room, 20th Division	1,500
	Watchman's room in Mahomedan burial ground	60
	Compound wall for Mahomedan burial ground in Ellapatha Matha Covil Road ...	600
	Overseer's Office and stores of Waterworks Overseer, 19th and 20th Divisions ...	1,500
	Gram shed at Krishnampet	1,000
	Model School in Mandavalli Street, Mylapore	13,840
	Licensing Station, Ennore	5,000
	Red Hills Bungalow	8,200
	Do Do (small)	2,500
	Out-houses of the Red Hills bungalow	1,400
	Do do (small)	500
	Tower House at Red Hills, with fittings (old)	10,000
	Do do (new)	50,000
	No. 1 Cottage Delivery Channel	2,000
	2 Do do	1,900
	3 Do do	2,400
	4 Do do	1,800
	Channel Overseer's quarters	1,200
	Assistant Conservator's bungalow, now the Overseer's quarters	1,800
	Stable and out-house	2,400
	Night-soil Depot	5,138
		24,54,138
	Pumping Station Buildings :—	
	Pumping Station and Drivers' quarters at Royapuram	10,734
	DeMellow's Road Pumping Station	3,695
	Langs Garden Pumping Station	7,040
	Napier Park Pumping Station	11,082
	Ice House Road Pumping Station	8,720
	Mylapore Pumping Station	3,673
	Law College Pumping Station	16,436
	Tondiarpet Pumbing Station "A"	12,600
	Do do "B"	14,443
	Do do "C"	12,173
	Kilpauk Pumping Station	3,87,870
		4,88,466
	Total...	29,42,604
	Vaue of Municipal lands...	6,65,168
	Do tools and plant	13,47,095
	Do furniture	42,974
	Do live stock	1,09,159
	Do materials	4,06,870
	Arrears of Taxes &c.	76,020
	Advances Recoverable	1,69,488
	Total Assets...	103,03,904
	Total Liabilities...	**91,30,001**

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works.

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	GRANT I.—*Public Works.*			
	1. NEW WORKS.			
	(*a*) *Communications.*			
1	Opening roads connecting Bala Arunachella Mudali Street with Lawyer Chinnathambi Mudali 2nd Street at R. S. Nos. 2897 and 2901	3,000	...	Abandoned
2	Revetting the slopes and approaches of the Royapuram Over-bridge	4,930	103	Plans were under preparation. Work since abandoned.
3	Opening out the western end of Bala Arunachella Chetti Street and connecting it with Solayappen Street	1,375	1,377	Paid in full.
4	Widening the Southern end of East Cemetery Road, Washermanpet ...	600	447	Do.
6	Opening Street from Ramasawmy Street to Venkatayyen Street	8,700	...	Under acquisition.
7	Acquisition of buildings in R. S. No. 126 in Peddunaick Street for opening a new street in continuation of Muniappa Mudali Street, George Town	850	2,000	Award passed. Excess sanctioned by S. C. on 19-1-15.
8	Acquisition of land and building in R. S Nos. 9949 to 9953 of George Town for widening the Stringer's and Isaac Streets ...	1,175	1,173	Paid in full.
9	Acquisition of land in R. S. No. 535 of Perambur for a road to connect Gantz Road with Erukenjeri Road	650	224	Do.
10	Acquisition of a portion of land in R. S. No. 34 of Perambur for widening bend in Puliantope Road at the junction of Ramasawmy Chetti Street	415	433	Do Excess sanctioned by S. C. on 29-1-15.
11	Acquisition of land between Cudappah Rangiah Chetti Street and Mattucara Veerabadran Street	4,500	3,746	Under acquisition.
13	Acquisition of land in R. S. No. 1624 of Purasawaukam for widening the lane between Cundappa Mudali High Road and Yami Street, Purasawaukam	300	220	Paid in full.
14	Acquisition of land in R. S. No. 692 of Egmore for widening Lakshminarayana Perumal Covil Street	1,150	1,150	Do.
16	Acquisition of a portion of land in R. S Nos. 390 and 391 of Triplicane for connecting Subroya Mudali Street with Begum Sahib lane	2,000	712	Do. Decrease due to certain parts of the proposed site not having been acquired.
17	Acquisition of land and structure in R. S. No. 375 of Triplicane for widening General Patters' Road near Brind's hotel	2,200	...	Under correspondence.
19	Acquisition of land in R. S. Nos. 2014 and 2057 of Mylapore for widening Arundel Street (North end)	1,035	1,035	Paid in full.
	Carried over ...	32,880	12,620	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	32,880	12,620	
	GRANT I.—*Public Works*—(Contd.).			
	I. NEW WORKS—(Contd.).			
	(*a*) *Communications*—(Contd).			
21	Acquisition of land in R. S. No. 1639 of Mylapore, measuring 1,240 sq. feet for widening the road at the junction of Mowbray's Road and Luz Church Road (Oliver's Road)	300	602	Paid in full. Excess sanctioned by S. C. on 12-1-15.
22	Acquisition of land and projections in Rosary Church Road near San Thome, Mylapore, for widening the road	1,400	2,350	Award passed Excess sanctioned by S. C. on 29-1-15.
23	Acquisition of land in R. S. Nos. 1792 and 1943 for connecting Dharmaraja Covil Street with Ennore Road	450	...	Under correspondence.
24	Acquisition of land and buildings in R. S. No. 6010 of George Town, for rounding off the South-west corner at the junction of Thathamuthiappen Street and Acharappen Street	600	...	Do
25	Acquisition of land in R. S. No. 2243 of George Town, for rounding off the corner of Popham's Broadway at the junction of Old Jail Street	1,000	...	Do.
26	Compensation for shifting back the building in R. S. No. 11,452 of George Town, for widening Popham's Broadway	1,500	...	Do.
27	Acquisition of land in parts of R. S. Nos. 5617 to 5620 (1*a*, 1*b* and 2), 5623 to 5626, 5629, 5630, 5632, 5633, 5631 (1) for widening Popham's Broadway	9,770	...	Do.
28	Acquisition of land in R. S. No. 5446 of George Town, for widening Popham's Broadway	5,000	...	Do.
29	Acquisition of land and building in R. S. No. 5447 of George Town for widening Popham's Broadway	2,300	...	Do.
30	Acquisition of land and superstructures in R. S. No. 8179 of George Town, for widening the corner at the junction of Elephant Gate Street with Mint Street	160	158	Paid in full.
31	Acquisition of land and superstructures in R. S. Nos. 8534/2, 8535 and 8536 of George Town, for rounding off the corner at the junction of China Bazaar Road and Wall Tax Road	3,200	...	Abandoned.
32	Acquisition of land in R. S. No. 858 of Vepery for rounding off the corner at the junction of Hunter's Road and Vadhyar Canda Pillai Street	350	...	Under correspondence.
34	Acquisition of land in R. S. No. 601 of Egmore for widening Veerasawmy Pillai Street	500	654	Award passed and land acquired. Excess sanctioned by S. C on 10-11-14.
	Carried over ...	59,410	16,384	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	59,410	16,384	
	GRANT I.—*Public Works*—(contd.)			
	I. NEW WORKS—(contd.)			
	(*a*) *Communications*—(contd.)			
35	Acquisition of land and buildings in R. S. Nos. 670 and 671 of Egmore for widening Lakshminarayana Perumall Covil Street	1,000	...	Abandoned.
36	Acquisition of land and buildings in R. S. Nos. 1054 and 1055 of Egmore for widening Vencatachalla Naick Street, Pudupet ...	3,000	...	Under acquisition.
37	Acquisition of land in R. S. No. 97 of Nungambaukam for rounding off the corner at the junction of College Bridge Road and Nungambaukam High Road	800	450	Award passed.
38	Constructing a culvert in Poonamallee High Road at the junction of new road in Landen's Gardens	700	577	Paid in full.
39	Shifting the feeder pillar of the Madras Electric Supply Corporation at the corner of Spencer's buildings in connection with the road improvement at the junction ...	1,530	1,533	Do.
40	Contribution paid to the Madras Club for improving the corner at the junction of Puttalows Road and White's Road and transferring the portion of land affected to the Corporation	450	450	Do.
41	Acquisition of land in R. S. No. 431 (part) of Chintadripet for rounding off the corner towards Law's Bridge in the Cooum River East Side Road	200	196	Do.
42	Acquisition of land in R. S. No. 2470 of Triplicane for widening Muthukalathi Street ...	450	299	Do.
43	Excess compensation awarded by Court for R. S. No. 2770 of Triplicane acquired by Corporation in 1913-14 for widening Khana Bagh Street	560	560	Do.
44	Acquisition of land in R. S. Nos. 1100, 1102, 1127, 1133 and 1134 of Royapettah for rounding off the four corners at the junction of Lloyd Road and Royapettah High Road.	1,930	941	Award passed and land acquired. Low award due to the existence of a deep pit at the site.
45	Acquisition of land in R. S. No. 664 of Mylapore for connecting Chanda Sahib Street with Musthura Begum Pettah Road ...	1,200	...	Under acquisition.
46	Acquisition of land in R.S. Nos. 785, 787, and 788 of Egmore for widening Gengu Reddi Road	800	651	Land acquired.
47	Acquisition of land in R. S. No. 1891/9 of Purasawaukam for rounding off the corner at the junction of Avadanum Paupier Lane with Chinniah Naicken Street	400	422	Do. Excess sanctioned by S. C. on 4-12-14.
	Carried over ...	72,430	22,463	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	72,430	22,463	
	GRANT I.—*Public Works*—(Contd.)			
	I. NEW WORKS—(Contd.)			
	(*a*) *Communications*—(Contd.)			
48	Acquisition of portions of land in R. S. Nos. 66 and 63 of Mylapore for rounding off the corners at the junction of Lloyd Road and Mount Road	1,700	...	Under correspondence.
49	Acquisition of portion of land in R. S. Nos. 84, 1153 and 1155 of Mylapore for rounding off the corners at the junction of Lloyd Road and Mowbray's Road	400	...	Do.
50	Acquisition of land in R. S. No 647 (part) of Egmore for rounding off the corners at the junction of Police Commissisoner's Office Road and Veerasawmy Pillai Street	100	97	Paid in full.
51	Acquisition of land in R. S. Nos. 4310, 4311 and 4312 of George Town, for widening the lane between Moore Street and Jehangir Street	2,000	...	Abandoned.
52	Acquisition of land in R. S. No. 3332 of Tondiarpet for opening a roadway between Darya Saib Street and Ghouse Mohideen Pettah Road	170	170	Paid in full.
53	Acquisition of land in R. S. No. 2770 of Triplicane for widening Khana Baugh Street	300	241	Do.
54	Acquisition of land and structure for rounding off the corner at the junction of Dam's Road and Blacker's Road	300	330	Paid in full. Excess sanctioned by S. C. on 12-1-15.
55	Acquisition of land in R. S. No. 4866 of George Town for rounding off the corner at the junction of Armenian Street and Muker Nallamuthu Chetti Street	200	...	Under correspondence.
56	Fencing the corner at the junction of Basin Water-works Street and Wall Tax Road ..	190	176	Paid in full.
57	Acquisition of land for widening Venkatesa Naick Street	2,215	2,216	Do.
58	Acquisition of land and superstructures in R. S. Nos. 372 and 373 of Mylapore for widening Pycrofts Road 2nd Lane and laying a new road connecting with General Patter's Road	5,405	5,407	Do.
59	Acquisition of the portico in R. S. No. 3728 of Triplicane with land belonging to Messrs. Wiele and Klein, Mount Road	580	...	Land was taken possession of.
60	Acquisition of land and buildings in R. S. Nos. 2417, 2596, 2694, 2593 and 2575 of Mylapore for widening San Thome High Road	2,660	2,662	Paid in full.
61	Acquisition of the Vinayagar Temple in Chitrakulam, Mylapore and the land in the garden	130	130	Do.
	Carried over ...	88,780	33,892	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	88,780	33,892	
	GRANT I.—*Public Works*—(Contd.)			
	I. NEW WORKS—(Contd.)			
	(*a*) *Communications*—(conclud.)			
62	Extension and improvements to culverts in Barnaby's Road and Orme's Road, Kilpauk.	1,350	1,350	Paid in full.
63	Fixing granite curb stones and paving footpath in Wall Tax Road in front of rice bazaars from China Bazaar Street to Venkataroyan Street	645	488	In progress.
64	Putting up a side railing in Graems Road from College Bridge to Anderson Road ...	340	...	This was provided for arrear work but was found to be unnecessary.
65	Acquisition of land and structure in R. S. No. 98 of Royapettah belonging to the Madras Stable Co., for rounding off the corner at the junction of Mount Road with General Patter's Road	3,525	3,525	Paid in full.
66	Converting the existing footpath from Messrs. Duff & Co., to the Carnatic Studio in Mount Road, into a cement paved footpath	630	632	Do.
67	Providing a footpath in Mount Road from D'Angelis & Sons south corner to the north gate of Post Office	415	414	Do.
68	Excess compensation paid for acquisition of land for improving the alignment of Mount Road opposite Messrs. Stable & Co. ...	...	3,867	Paid in full. Sanctioned by S. C. on 12-1-1915. Not provided for in R. E., as it was not then anticipated.
69	Providing other footpaths	600	375	Paid in full.
70	Petty Works	100	172	Includes regulation fees paid to Government Solicitor, not anticipated.
	Total ...	96,385	44,715	
	(*b*) *Buildings.*			
1	Constructing a bathing fountain in Basin Bridge Road at the junction of Mint Street.	530	...	Estimate revised during the year.
3	Constructing a compound wall for additional land of Corporation Workshop and Stores	2,000	134	Tender accepted on 26-2-1915.
4	Constructing a room in the upper floor of the Superintendent's quarters, Robinson Park.	810	...	In progress.
5	Constructing two flush-out latrines in Velayudha Chetti Street with 4" connection from Harris Road	2,950	391	Completed.
10	Constructing a sanded latrine for Ellapatha Matha Kovil Paracherry...	1,100	962	Paid in full.
11	Extending Olcott Free Panchama School buildings, Kistnampet	4,000	3,402	Completed.
	Carried over...	11,390	4,889	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
	Brought forward ...	11,390	4,889	
	GRANT I.—*Public Works*—(contd.)			
	I. NEW WORKS (contd.)			
	(*b*) *Buildings*.(contd.)			
12	Constructing a room on the 1st floor of the Damodar Free School, Teynampet ...	1,200	1,200	Paid in full.
16	Constructing 4 Model Schools, 1913-14— ...	32,000		
	(*a*) In Goyatope, Egmore		13,093	Completed.
	(*b*) In Nungambakam, near Aziz Mulk Street, Thousand Lights		13,414	Do.
	(*c*) In Vasapmodu Paracherry, George Town		...	Site not cleared yet.
	(*d*) In Bell's Road, Triplicane ...		...	In progress.
17	Constructing 4 Model Schools, 1914-15—	25,000		
	(*a*) In Rama Naick Street, Nungambakam.		11,277	In progress.
	(*b*) In Venkatrangam Pillai Street, Triplicane.		3,866	Do.
	(*c*) In Angappa Naick Street, George Town		...	Do.
	(*d*) In Salai Vinayagar Kovil Street, Basin Road		...	Not begun.
22	Installing a convertible latrine of 32 seats in Polu Naicken Street, Perambur ...	2,760	375	In progress.
23	Installing a flush-out latrine of 36 seats between Thoppai Mudali Street and Rama Naick Street, Tondiarpet	2,730	2,502	Completed.
24	Installing a flush-out latrine of 10 seats for the Model School at Sanjiviroyanpet ...	1,225	985	Do.
25	Installing two flush-out lartines, each of 12 seats, between Thambu Chetti Street and Shaik Maistri Street, Tondiarpet	3,000	...	Not begun.
26	Acquisition of land and building in R. S No. 3061 of George Town, in Thambu Chetti Lane, for the construction of a flush-out latrine	800	...	Land under acquisition.
32	Constructing a Model Paracherry of 34 tenements in Cemetery Road	19,780	13,725	Nearing completion.
34	Improvements to the Dhobykhana at Chetput	11,270	11,054	Works completed.
35	Acquisition of open lands and constructing 200 model houses in Suparigunta Paracherry	64,500	...	Under correspondence.
	Carried over ...	1,75,655	76,380	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	1,75,655	76,380	
	GRANT I.—*Public Works*—(Contd.)			
	I. NEW WORKS—(Contd.)			
	(*b*) *Buildings*—(Contd.)			
36	Improvements to Passport Office, Tiruvathiur High Road and constructing an office building for Sanitary Inspector and Conservancy Overseer &c	4,000	...	In progress.
37	Constructing a small incinerator at Medawaukam Tank Road	120	...	Abandoned.
38	Fixing additional central M. R. C. rail posts for the manger in A Depot Bullock shed recently constructed in the Basin Bridge Road	310	338	Paid in full.
39	Constructing a male and female sanded latrine at the Dhobykhana, Chetpet ...	1,050	1,075	Do
40	Acquisition of land and superstructures in R. S. Nos. 457/1, 457/2, 458, and 459 of Mylapore for the extension of Royapettah Hospital for constructing stables and servants' room	10,000	10,678	Do. Excess sanctioned by S. C. on 11-12-14.
41	Erecting a pipe fencing around the New Bear's cage in People's Park	535	536	Paid in full.
42	Repairing and fencing the Emus and Cassovary cages	200	...	Completed.
43	Fencing the small deer enclosure	235	166	In progress.
44	Forming roadways round New Bear's cage in the menagerie enclosure, People's Park .	350	...	Not begun.
45	Constructing a bear's cage in the menagerie enclosure, People's Park	580	471	Paid in full.
46	Constructing an aviary in People's Park ...	2,690	1,372	Do. Minor works abandoned.
47	Constructing a shed for dogs near the Basin Bridge Road incinerator	400	...	Not begun.
48	Acquisition of land and buildings in R. S. Nos. 3 and 4[1*a* and (2) of Nungambakam in Mount Road for reselling the land for building decent premises	13,000	12,841	Paid in full.
49	Constructing a sub-store shed for the 7th Division in Nambulier Street, George Town	620	...	Abandoned.
50	Constructing a masonry incinerator with a 15′ W. I. chimney in Chinnababu Street, Oobrapalyam	240	232	Paid in full.
51	Constructing quarters for nurses in the Lying-in-Hospital, Moneghar Choultry Road	13,750	4,588	In progress.
52	Constructing quarters for 6 Indian nurses near Royapettah hospital	1,085	1,635	Paid in full. Excess due to additional Sanitary fittings &c.
	Carried over ...	2,24,820	1,10,312	

STATEMENT II-A.— Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works— *(Continued).*

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ..	2,24,820	1,10,312	
	GRANT I.— *Public Works*—(Contd.)			
	1. NEW WORKS—(Contd.)			
	(*b*) *Buildings*—(Contd.)			
53	Constructing a kitchen and store-room in the Lying-in-Hospital, Moneghar Choultry Road	600	...	This was provided for arrear work, but was found to be unnecessary.
54	Constructing a compound wall in the Lying-in-Hospital, Moneghar Choultry Road ...	350	301	Paid in full.
55	Constructing a corrugated iron shed for the new Gram Depot at the Corporation workshop	1,170	377	Completed.
56	Extending a Manual Fire Engine shed at B i Police Station	430	430	Paid in full.
57	Increasing the bays in bullock slaughter House, Perambur, and providing partition for the same	2,000	1,832	Completed.
58	Fixing a weigh-bridge at the Roller Shed, Madras Club	700	...	Weigh-bridge not fixed yet.
59	Shifting Road Roller shed at the 18th Division Overseer's stores and acquisition of the site for the same	720	...	Completed.
60	Constructing quarters for the Superintendent, sheep slaughter house, Perambur ...	200	171	Paid in full.
61	Constructing a timber godown, 124½ft. × 14½ft. with corrugated iron sheet by raising 1 foot masonry block with the existing wall at the Corporation Stores.	230	...	This was provided for arrear work, but was found to be unnecessary.
62	Extending the provision and store-room of the Royapettah Hospital	180	21	Paid in full.
63	Constructing a compound wall round the 20th Division Stores and Fire Engine shed at Kistnampet	380	383	Do.
64	Constructing a Main Gate, covered drain and compound wall with W. I. railings for the new Municipal Office Buildings	2,490	1,661	Do.
65	Covering the latrine at old regimental lines with corrugated iron sheets	120	127	Do.
66	Rebuilding the compound wall of the Police Station opposite to Messrs. Spencer & Co., to widen Pattalows Road	300	262	Do.
67	Constructing 4 restaurants over the existing evening bazaar buildings near Moore Market	6,260	637	Completed.
68	Constructing houses for the people to be evicted from Nariangadu and constructing Model cottages for poor Anglo-Indians in Pudupet including sanitary fittings and water-supply	12,130	11,708	Do.
	Carried over ...	2,53,080	1,28,222	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	2,53,080	1,28,222	
	GRANT I.—*Public Works*—(Contd.)			
	1. NEW WORKS—(Contd.)			
	(*b*) *Buildings*—(Contd.)			
69	Acquisition of land for widening the road and construction of a central fire station at Pudupet including the excess awarded by the Court for acquisition	6,365	5,132	Paid in full.
70	Constructing quarters for 2 Sub-Assistant Surgeons of the New Royapettah Hospital, including compound wall, sanitary and electric fittings	3,680	2,665	Completed. Electric installation was in progress.
71	Acquisition of land behind Ice House Road Pumping Station and constructing a pail depot	1,820	1,745	Completed.
72	Acquisition of land in R. S. No. 411 of Egmore for the extension of the Corporation Day School at Chetpet	120	118	Paid in full.
73	Extending the building of the Corporation Day School at Chetpet	2,065	2,066	Do.
74	Constructing New Corporation Office buildings	60,400	41,069	Some minor works were completed and some were in progress.
75	Construction of small incinerators ...	740	649	In progress.
76	Acquisition of sites for Model Schools, 1913-14.—			
(*a*)	Sites in R. S. Nos. 2704 and 2705 of George Town in Salai Vinayagar Kovil Street ...	84,105	7,868	Paid in full.
(*b*)	Sites in R. S. Nos. 2332 to 2336 of George Town in Vasapmodu Paracherri		8,215	Do.
(*c*)	Sites in R. S. Nos. 7868 (part) of George Town in Anna Pillai Street		7,524	Do.
(*d*)	Sites in R. S. Nos. 8935 to 8948 of George Town at the Junction of Edapalayam and Hanumantarayan Kovil Streets		23,090	Do.
(*f*)	Sites in R. S. No. 162 (part) of Perambur in Puliantope Road		...	Under correspondence.
(*h*)	Sites in R. S. Nos. 1230 to 1233, 1234 (part) of Chintadripet in Singanna Chetti Street ...		9,212	Do.
(*i*)	Sites in R. S. No. 2652 of Triplicane in Bells Road		20,981	Paid in full.
(*j*)	Sites in R. S. No. 1340 of Triplicane in Triplicane High Road		6,570	Do.
(*k*)	Sites in R. S. Nos. 174, 175 and part of 97 in Ammayappa Mudali Street, Mylapore ...		7,366	Do.
(*l*)	Sites in R. S. No. 4567 of Mylapore near Rifle Range		...	Under correspondence.
	Carried over ...	4,12,375	2,72,492	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ..	4,12,375	2,72,492	
	GRANT I.—*Public Works*—(Contd.)			
	1. NEW WORKS—(Contd.)			
	(*b*) *Buildings*—(Concld.)			
77	Acquisition of additional land in R. S. No. 2605 of Triplicane for the use of the Model School in Venkatarangam Pillai Street ...	950	868	Paid in full.
78	Acquisition of land and buildings in R. S. Nos. 325 to 329 of Tondiarpet in Madah Church East Side Road for the construction of a Model School	8,000	...	Land under acquisition.
79	Construction of 4 Model Schools :—			
	(*a*) At Arunachala Naick St., Chintadripet...	12,650	243	Completed.
	(*b*) At Ammen Kovil Street, 7th Division ...		440	Paid in full.
	(*c*) At Mint Subrayalu Naidu Street ...		5,369	Completed.
	(*d*) At Mandavalli Street, Mylapore ...		2,203	Paid in full.
80	Construction of 2 Model Schools :—			
	(*a*) At Vakkaikaren Street, Purasawakum...	1,500	358	Paid in full.
	(*b*) At Poonamallee High Road, Periamet...			
81	Additions to the existing Motor Fire Engine Shed	9,000	...	Not begun.
	Acquisition of land in R. S. No. 1293 in Sirdar Jung Garden Street for the construction of a flush-out latrine	...	1,546	Paid in full. This was not provided for in the R. E. of 14-15, but was paid during the year from savings.
82	Constructing quarters for European Motor Fire Engine drivers	9,500	...	Not begun
83	Petty Works	1,400	652	
	Total ...	4,55,375	2,84,171	
	(*c*) *Drainage—Special.*			
	Madras Main Drainage.			
1	Law College and Royapuram Pumping Stations—			
	Buildings	...	...	Completed.
	Machinery	...	...	Do.
	Alterations to sewers and pumping mains ..	100	...	Do.
	Constructing flush-out latrine for Engine drivers &c., at Law College Pumping Station.	...	...	Do.
2	Open channel at Sewage Farm, New Road, Bridges, Sluices, &c.	2,000	1,957	Do.
	Carried over ...	2,100	1,957	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
		Rs.	Rs.	
	Brought forward ...	2,100	1,957	
	GRANT I.—*Public Works*—(Contd.)			
	1. NEW WORKS (Contd.)			
	(*c*) *Drainage—Special*—(Contd.)			
	Madras Main Drainage—(Contd.)			
3	Raising existing 36" cast iron pipes at Sewage Farm and relaying them together with certain new pipes and specials as a raising main from Royapuram Pumping Station to the Belmouth Chamber at the head of 4 ft. 6 inch sewer ...	100	*Cr.* 549	Completed.
4	Circular Brick sewer 5 feet 6 inches and 4 feet 6 inch diameter to carry all the sewage from Suryanarayana Chetty Street, Georgetown and Tondiarpet to the Farm Pumping Station	13,000	11,864	Do.
5	Sewage Farm Pumping Station buildings, sewers, overflows, &c.	20,000	15,578	In progress.
6	Machinery	...	...	
7	Laying 36 inch brick gravitation main from near Paracherry Road to the Farm Station.	...	...	
8	Sewage farm work	100	...	Completed.
9	Laying 16 inch cast iron main pipe from Law College Pumping Station to Royapuram Pumping Station...	100	...	Do.
	Tondiarpet Drainage.			
10	Stoneware pipe sewers	30,000	37,696	Completed.
11	Cast iron pipe sewers	5,000	3,956	Do.
12	Brick sewers	100	...	Do.
13	Manholes	20,000	19,582	Do.
14	General, *i.e.*, ventilating columns, timber left in trenches, flushing chambers and restoring road surfaces	2,000	416	Nearly complete.
15	House connection to sewers	2.500	7,579	Do.
16	Overflows (A. B. & C.)	100	68	Completed.
17	Pumping Stations, including Engine Houses, Receiving Chambers, Office Tools and Store Room, Latrine, Compound Wall, Machinery, etc. A. Station ... ... B. Do. ... ... C. Do.	5000	7,186	Do.
18	Acquisition of Land ...	...	...	Do.
19	Contingencies ...	1,000	30	
19-A	25 sets of medium size storm water separators for Tondiarpet ...	3,500	3,593	Nearly completed.
	Carried over ...	1,04,600	1,08,956	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
		Rs.	Rs.	
	Brought forward ...	1,04,600	1,08,956	
	GRANT I.—*Public Works*—(contd).			
	I. NEW WORKS—(contd).			
	(c) *Drainage—Special*—(contd.)			
	Miscellaneous Works.			
20	Laying sewers as may be required ...	2,000	1,585	
21	Fixing venturi meters for the Pumping Stations ...	...	...	Completed.
22	Raising manholes and fitting covers ...	200	68	Do.
23	Extending Engine house at DeMellow's Road Pumping Station including machinery ...	100	...	Do.
24	Sewage level and pump pressure recorders...	...	...	Do.
25	Alterations to existing pumping station mains, silt pits and screening chambers ...	100	...	
25-A	New Sewage Farm, Tondiarpet ...	5,000	6,073	Survey in progress.
26	Petty works ...	500	54	
26-A	Temporary Pumping Station at Pycroft's Road ...	3,000	138	Work in progress.
	General Scheme.			
27	Drainage of Mylapore Area ...	...	...	
28	Do. Ice House Road Area ...	10,000	3,239	
29	Do. Edward Elliot's Road Area ...	...	...	
30	Do. Napier Park Area ...	10,000	555	Well work commenced.
31	Do. Graem's Road Area ...	...	...	
32	Do. Lang's Garden Area ...	820	537	
33	Do. Purasawakkam Area ...	5,000	7,692	Work in progress.
34	Do. Law College Area ...	5,000	...	
35	Do. Royapuram Area ...	10,000	2,254	Work started.
36	Allowance for Drainage of Tondiarpet, North Area ...	2,000	...	
37	Gravitation mains, intercepting sewers, &c...	35,000	32,619	
38	Pumping mains, branch mains, &c. ...	2,500	...	
39	Open channel extensions ...	...	...	
40	Sewage Farm extensions and sewage distribution channels ...	...	...	
	Carried over ...	1,95,820	1,63,770	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards—(*Continued*).

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
		Rs.	Rs.	
	Brought forward ...	1,95,820	1,63,770	
	GRANT I.—*Public Works*—(Contd.)			
	1. NEW WORKS—(Contd.)			
	(*c*) *Drainage—Special*—(contd.)			
	Various other items.			
41	Supplies and services (Home charges) ...	5,000	5,205	
42	Miscellaneous ...	15,000	20,156	
43	Constructing store-shed of 110 ft. for the use of drainage stores at Napier Park ...	500	...	Completed.
44	Stores (Suspense account) ...	1,00,000	1,23,372	
45	Sinking trial holes in different parts of Madras ...	500	325	
46	Removing and relaying sewers in Waller's Road and Nagappa Mudaly Street ...	500	687	
47	Office latrine in Lafand Street ...	...	*Cr.* 990	
		3,17,320	3,12,525	
	Realization by sales of stores ...	*Cr.*1,00,000	*Cr.* 81,471	
	Total ...	2,17,320	2,31,054	
	(*c*) *Drainage—Ordinary.*			
1	Construction of side drains:—			
(*a*)	Covering the remaining portion of Muthu Mudali Street drain in Vyasarpady with Cuddappah slabs	630	619	Paid in full.
(*b*)	Constructing 4 in. masonry drain in Nancy St.	410	381	Do.
(*c*)	Laying 6 in. sewer stone ware pipes with head manhole and also constructing a manhole in Sattana Naicken Street, Chulai... ...	440	441	Do.
(*d*)	Constructing side drain and silt pit in Muthu Naicken Street, Chulai	410	44	Completed.
(*e*)	Constructing a drain in Arunachella Pandaram Street	500	..	In progress.
(*f*)	Acquisition of a portion of land and superstructure in R. S. No. 536 of Egmore, for sewer main near Perumall Reddi Street ...	800	...	Abandoned.
(*g*)	Linking up dead ends of main sewers in Male Asylum Road	275	224	Paid in full.
(*h*)	Constructing a 9 in. side drain in Pycroft's Road, Triplicane, at the junction of Chella Pilliar Covil Street	325	284	In progress.
(*i*)	Constructing a manhole in Paripurana Vinayagar Covil Street, Mylapore	140	35	Do.
(*j*)	Constructing a manhole in Thengoor Selva Vinayagar Covil Street, Mylapore ...	310	78	Do.
	Carried over ...	4,240	2,106	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards—(*Continued*).

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	4,240	2,106	
	GRANT I.—*Public Works* (contd.)			
	I. NEW WORKS (contd.)			
	(c) *Drainage—Ordinary*—(contd.)			
(*k*)	Constructing manholes in Adanja Mudali Street, Mylapore	275	60	In progress.
(*l*)	Constructing a manhole in Singara Naicken Street, Mylapore	140	30	Do.
(*m*)	Constructing a manhole in Muthuram Mudali Street, Mylapore	140	26	Do.
(*n*)	Constructing manhole in Mandavalli Street, Mylapore	460	108	Do.
(*o*)	Constructing manholes in Brodies' Road, Mylapore	160	97	Do.
(*p*)	Diverting the drain to widen Singanna Chetty Street and doing house connections at the above place	1,400	982	Completed.
(*q*)	Constructing storm water separator and side drain connections into the existing sewer at Vasapmode Paracherry	480	483	Paid in full.
(*r*)	Constructing a masonry side drain and connecting 6 in. storm water drain to the existing main in Scavengers' Lane, Nagappier Street, Tiruvatteswarenpet	350	347	Do.
(*s*)	Constructing a drain in the northern side of Purasawakam High Road	840	833	Do.
(*t*)	Reconstructing house connections in Shaik Davood Saib Street, Triplicane	390	395	Do.
(*u*)	Constructing a 9 in. masonry side drain in Angalammen Kovil Street west side, both north and south of Ashtabujam Road, from Vijiavigneswarer Koil Street to the cesspool near the culvert on the north ...	975	541	Do.
(*v*)	Constructing a 9 in. masonry drain in Angalammen covil Street, east side, from Vijiavigneswarer covil Street to the cesspool near the Culvert on the north	1,110	1,111	Do.
2	Drainage of Slaughter House with arrangements for preliminary treatment and pumping of the sewage to the head of the nearest sewer leading to DeMellow's Road Pumping Station	5,000	3,182	Do.
3	Petty Works	2,000	557	Do.
	Total ...	17,960	10,858	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	GRANT I.—*Public Works*—(contd).			
	1. NEW WORKS—(*contd*).			
	(*d*) *Water Supply—Special.*			
	Main Works.			
1	Completing the outlet tower at Red Hills and Bridge ...	4,000	3,392	Completed.
2	Settling basin and valve house ..	18,000	15,712	Do.
3	Conduit 7 miles long from settling basin to filter beds ...	12,000	10,016	Do.
4	Filter beds ...	30,000	30,969	Do.
5	Filtered water reservoir ...	1,000	408	Do.
6	Engine and Boiler House and Engine foundations, pump well and chimney ...	25,000	39,232	Do.
7	Engines, pumps and boilers ...	1,00,000	1,01,950	Do.
8	Elevated tank (1) Steel tank ... (2) Masonry substructure...	65,000	59,094	Do.
9	Other Works—Subsidiary buildings ...	1,000	...	Do.
10	Pumping main ...	10,000	8,857	Do.
11	Land-fencing round filter beds, etc. ...	5,000	...	Work in progress.
12	Connection between delivery channel and filter beds ...	5,000	...	Completed.
	Distribution Works.			
13	Pipes, specials,valves, meters,including laying	2,50,000	2,93,808	Work in progress.
14	Masonry works connected with Distribution works ...	10,000	6,578	Do.
15	Connections to existing and new system at Kilpauk Shaft ...	10,000	14,194	Completed.
16	Contingencies ...	12,000	13,715	
	Other Items.			
17	Supplies and Services (Home charges) ...	7,000	5,883	
18	Miscellaneous such as tools and plant, etc. ...	3,000	6,855	
19	Stores (Suspense account) ...	50,000	59,604	
		6,18,000	6,70,267	
	Realization by sales of stores ...	*Cr.* 80,000	*Cr.* 91,446	
	Total ...	5,38,000	5,78,821	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	GRANT I.—*Public Works*—(Contd.)			
	1. NEW WORKS—(*Contd.*)			
	(*d*) *Water-Supply* (Ordinary.)			
1	Purchasing and Fixing meters :—			
(*a*)	Fixing a meter to the service connection in No. 5, Candappa Chetti Street	175	128	Completed.
(*b*)	Fixing a meter to the service connection in house No. 2/143, Anna Pillai Street ...	210	165	In progress.
(*c*)	Fixing a meter to the service connection in house No. 1/143, Anna Pillai Street ...	185	141	Completed.
(*d*)	Fixing a meter to the service connection in house No. 133, Anna Pillai Street ...	125	81	Do
(*e*)	Fixing a meter to the service connection in house No. 2, Chinnathambi Chetti Street ...	190	146	Do
(*f*)	Fixing a meter 1 in. and constructing a house for the same to premises No. 302, Tiruvathiur High Road	200	98	Do
(*g*)	Manufacturing 5 C. I. meter doors, 2½ ft. × 2 ft. for Water Works Overseer, 6th and 7th Divisions	200	190	Paid in full.
(*h*)	Manufacturing 1 W. I. meter door, 2½′ × 1¾′; 1 W. I. meter door, 2′ × 2′; 2 W. I. meter doors, 3′ × 2′ for Water Works Overseer, 10th and 11th Divisions ...	145	94	In progress.
(*i*)	Substituting a new 2″ disc meter in lieu of old 4 in. meter at No. 1, Rundall's Road ...	220	211	Completed.
(*j*)	Manufacturing and supplying 12 W. I. meter boxes, 3′ × 2½′ for Water Works Overseer 18th and 15th (*A*) Divisions	365	336	Do
(*k*)	Manufacturing 12 meter doors, W. I. 3 ft. × 2½ ft. for Water Works Overseer, 16th and 17th Divisions	385	361	Do
(*l*)	Manufacturing 6 meter doors, T. W. with lock, 2½ ft. × 2 ft. for Water Works Overseer, 14th and 15th Divisions	110	114	Do
(*m*)	Manufacturing and supplying 6 C. I. meter doors 3 ft. × 2½ ft. for Water Works Overseer, 8th and 9th Divisions	270	239	Do
(*n*)	Manufacturing and supplying 6 C. I. meter doors, 3 ft. × 2¾ ft. for Water Works Overseer, 8th and 9th Divisions.	270	253	Do
(*o*)	Manufacturing 20 meter doors 3ft. × 2½ ft. for Water Works Overseer, 18th and 15th (*A*) Divisions	640	546	Do
(*p*)	Fixing a 1¼ in. meter to Government Hobart Girl's School in White's Road ...	135	85	Do
(*q*)	Fixing a 1½ in. meter for Wesley College Hostel in White's Road	150	102	Do
	Carried over ...	3,975	3,290	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	3,975	3,290	
	GRANT I.—*Public Works* (contd.)			
	1. NEW WORKS (contd.)			
	(*d*) *Water-Supply* (*Ordinary*) (contd.)			
(*r*)	Fixing a 2 in. meter to the service pipe in R. Maclure's Aerated Water Factory in Waller's Road	260	214	Completed
(*s*)	Fixing meters—Petty works	2,765	1,212	
II	Purchasing and fixing hydrants :—			
(*a*)	Manufacturing 100 C. I. fire hydrant plates and supplying 400 country nails for Waterworks Overseer, 4th and 5th Divisions ...	285	259	Completed.
(*b*)	Manufacturing 150 C. I. fire hydrant plates for Waterworks Overseer, 1st to 3rd Divisions	265	244	Do.
(*c*)	Manufacturing 94 fire hydrant plates with nails and 27 fire hydrant plates with iron posts for Waterworks Overseer, 10th and 11th Divisions	350	328	Do.
(*d*)	Manufacturing 130 fire hydrant plates and supplying nails for Waterworks Overseer, 10th and 11th Divisions	275	262	Do.
(*e*)	Manufacturing 14 iron doors 3 ft. × 2½ ft. with lock and key equil ibrium valves 1½ ft. × 6 in. equil ibrium valves ¾ in. for Waterworks Overseer, 19th and 20th Divisions ...	500	379	Do.
(*f*)	Manufacturing 2 W. I. covers 3 ft. × 3 ft. 1 C. I. cover 2 ft. × 3 ft. for Waterworks Overseer, 10th and 11th Divisions	135	88	Do.
(*g*)	Fixing hydrants—Petty works	320	363	
III	Minor works under water-supply including Petty works :—			
1	Cleaning 2 in. pipes in Badrian Street from Guruvappen Street	130	124	Paid in full.
2	Fixing 2 fountains in Venkatrangam Pillai Street for the use of Oddars' hutting ground	190	117	Completed.
3	Excavating, removing, cleaning, tarring and relaying 1,500 feet of 3 in. and 2½ in. cast iron pipes in Ammayappa Mudali Street ...	720	519	Paid in full.
4	Cleaning a pipe in Ammen Kovil Street, Royapettah	430	332	Completed.
5	Fixing a fountain in Ellapatha Madah Kovil Paracherry	260	225	Do.
6	Cleaning 3 in. 2½ in. and 2 in. pipes in Muthu Mudali Street, Royapettah	430	324	Do.
	Carried over ...	11,290	8,280	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	11,290	8,280	
	GRANT I.—*Public Works* (contd.)			
	1. NEW WORKS (contd.)			
	(*d*) *Water-Supply* (*Ordinary*) (contd.)			
7	Cleaning 3 in. main in Thambu Chetty Street between Krishnan Kovil Street and Mettu Street	160	117	Paid in full.
8	Cleaning 1,870 feet of 2½ in. and 2 in pipes in Casa Major Road from 5 in. main in Pantheon Road up to the fountain at the junction of Spur Tank Road	240	155	In progress.
9	Cleaning 1,860 feet of 2½ in. pipes in Halls Road from 7 in. main in Egmore High Road up to the junction of Casa Major Road ...	230	145	Do.
10	Removing old 1 in. pipe and laying 2 in. cast iron pipe from the main of 4 in. to a distance of 450 feet in order to fix an additional tap in Hospital Plain in Avadanam Paupier Road	350	337	Completed.
11	Cleaning 850 feet of 3 in. and 850 feet of 2½ in. pipe in Office Venkatachella Mudaly Street.	470	280	Do.
12	Constructing a water trough at the junction of Kesavier Street and Ponnappa Chetty Street	115	...	Work stopped.
13	Excavating, removing, cleaning, tarring and relaying 2,700 feet of 4 in. and 5 in. C.I. pipes in San Thome High Road from St. Lazarus Church up to San Thome School... ...	700	529	In progress.
14	Acquisition of land in R. S. Nos. 1090 and 1020 in Monegar Choultry Road for laying a 9 in. water pipe and valve	400	...	Under aquisition.
15	Excavating, removing, cleaning, tarring and relaying 2,200 ft. of 3 in. pipe and removing and re-connecting 20 house connections, 8 fountain connections and 3 hydrant connections in East Madah Church Street ...	140	...	This was provided for arrear work but was found to be unnecessary.
16	Cleaning 1,900 feet of 3 in. main pipe in Pathala Vigneswarer Covil Street ...	165	...	Do.
17	Laying 1¼ in. pipes for 870 feet and fixing 4 fountains with pumps 1¼ in. in Washer Varadappen Alley, Nannian Maistri Alley and Irusappa Maistri Street	110	...	Do.
18	Cleaning 3 in. main in Muthumari Chetti Street	270	...	Do.
19	Cleaning 4 in. main in Mofuskhan gate to its full length and connecting the same with the main in Thatha Muthiappen Street and fixing a single tap fountain	630	...	Do.
20	Cleaning 2 in. pipe in Budda Saib Street and connecting the gap	105	...	Do.
21	Cleaning 3 in. pipe from Mint Street (*via*) Ponnappa Chetty Street and Kesavier Street	120	...	Do.
	Carried over ...	15,495	9,843	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	15,495	9,843	
	GRANT I.—*Public Works* (contd.)			
	1. NEW WOKS (contd.)			
	(*d*) *Water-Supply* (*Ordinary*) (contd.)			
22	Cleaning 1,600 feet of 3 in. and 2½ in. C. I. pipe in Kalathiappa Mudali Street from 27 in. main in Hunter's Road up to Vichur Muthia Mudali Street junction	135	...	This was provided for arrear work but was found to be unnecessary.
23	Excavating, removing, cleaning and relaying 1,000 feet of 7 in. main in Maddox Street from Vepery High Road to General Collins Road	210	...	Do.
24	Cleaning 2½ in. C. I. pipe in Venkatarangam Pillai Street from Pycroft's Road to Sunkuwar Street	200	80	Arrear work. Paid in full.
25	Cleaning 1,300 feet of 2½ in. C. I. pipe in Male Asylum Road from the 30 in. main up to the junction of Whannel's Road ...	170	132	Work stopped for want of pipes.
26	Laying 650 feet of 4 in. C. I. pipe from 4 in. main in Farrens Road junction of Cook's Road to the Salvation Army Settlement ...	775	775	Paid in full.
27	Fixing fountain in Musthura Begum Pettah Street	170	...	Carried cut by Special Malaria Department.
28	Fixing a fountain in Mawady Vinayagar Covil Street	170	...	Do.
29	Petty works	1,495	600	
	Total ...	18,820	11,430	
	(*e*) *Miscellaneous.*			
2	Opening a road from Venkata Maistri Street to Ammen Kovil Street	3,900	2,230	Land acquired.
3	Extending Govindappa Naick Lane to Avadanam Paupier Lane by acquiring land and building in R. S. No. 2026 of Purasawakam.	2,500	1,974	Paid in full.
4	Acquisition of land for the extension of road in Hospital Plain, Chulai	2,000	2,811	Paid in full. Excess sanctioned by S. C. on 19-3-1915.
5	Acquisition of land in R. S. No. 1054 of Swami Pillai Street to connect Vadhyar Canda Pillai Street with Sawmy Pillai Street, Chulai	5,110	4,940	Land acquired.
6	Acquisition of land and buildings in R. S. No. 167 of Triplicane for the extension of Pachaiappa Chetty Street to Triplicane High Road	4,500	2,589	Paid in full. Low award due to re-alignment.
7	Acquisition of land in R. S. No. 780 of Triplicane for connecting Muhammad Hussain Street with Javar Hussain Khan Street ..	130	160	Paid in full. Excess sanctioned by S. C. on 12-1-1915.
8	Acquisition of land and structure in R. S. No. 1192 of Egmore in Harris Road for a cart stand	450	...	Under acquisition.
	Carried over	18,590	14,704	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I—New Works—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	18,590	14,704	
	GRANT I.—*Public Works*—(Contd.)			
	1. NEW WORKS—(*Contd.*)			
	(*e*) *Miscellaneous*—(contd.)			
10	Extension of Cassimodu Cemetery ...	8,855	8,798	Paid in full.
11	Pay of Special Deputy Collector for acquisition of land and his staff	15,000	13,694	
12	Acquisition of land and building in R. S. Nos. 512/1. 512/2, 512/3, 512/4, 512/5 and 512/6 of Vepery for the extension of the park in Peddunaick Street	9,000	...	Under correspondence.
13	Putting up two tennis courts for the employees of the Corporation	1,000	501	In progress.
14	Raking out the ground and filling in sand at the proposed park in Peddu Naick Street.	510	...	In progress. Estimate revised for Rs. 550 was sanctioned by S. C. on 29-1-1915.
15	Acquisition of additional land in R. S. No. 5040, George Town, for relief of congestion in Katchaleswarer hutting ground ...	3,500	...	Abandoned.
16	Acquisition of additional narrow strip of land in Kachaleswarer hutting ground for relief of congestion	250	...	Do.
17	Constructing a compound wall with gates on three sides for Peddunaickpet Park ...	1,700	1,416	Paid in full.
18	Acquisition of land and building in R. S. Nos. 4/1 (part), 4/2, and 4/3 of Nungambakam opposite the Madras Stable Company, in Mount Road, for building sites ...	5,920	5,921	Do.
19	Acquisition of a portion of land in R. S. No. 233, at Kaliman Paracherry, for connecting the street with Thayar Saib Street ...	590	588	Do.
20	Opening out congested areas in Narasingapuram	28,000	22,917	Do.
21	Removal of congestion in Suparigunta Paracherry	1,45,000	1,30,795	Partly paid.
22	Petty works	505	415	
	Grand Total ..	2,38,420	1,99,749	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs.

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
	GRANT I.—*Public Works*—(Contd).	Rs.	Rs.	
	II. REPAIRS.			
	(*a*) *Communications.*			
1	Reform under contract	1,50,000	1,39,484	
2	Labour for rolling	7,000	7,227	Excess due to the mobilization allowance granted.
3	Fuel, oil, sundries, repairs, &c., for road rollers	21,000	15,458	
4	Repairs Materials	50,000	31,807	
5	*Repairs to culverts and foot-paths* :—			
(*a*)	Extending the culvert North side at the junction of White's Road and Mount Road ...	150	150	Paid in full.
(*b*)	Extending the culvert with 15" stoneware pipe at Police Station opposite Spencer & Co.	195	209	Do.
(*c*)	Extending a culvert in Taylor's Road at the junction of the new road in Landon's Gardens	520	478	Completed.
(*d*)	Widening culvert No. 2 by 2 feet on the northern side of Demellow's, Road ...	900	...	Not begun.
(*e*)	Widening culvert No. 1 by 4 feet on the northern side	440	...	Do.
(*f*)	Extending the culvert across Adam's Road between lamp posts Nos. 17/353 and 17/354	130	80	Paid in full.
(*g*)	Extending the culvert across Adam's Road between lamp posts Nos. 17/354 and 17/355	130	101	Do.
(*h*)	Extending the culvert across Adam's Road between lamp posts Nos. 17/356 and 17/357	130	83	Do.
(*i*)	Removing the parapet wall in front of Model School at Arunachala Naick Road and covering drains with granite slabs ...	580	...	In progress.
(*j*)	Extending the culvert at the junction of Panthean Road and Commander-in-Chief's Road	400	...	Completed.
(*k*)	Constructing culverts and repairs to drains in Andiappa Mudali Street, Moneghar Choultry Road...	900	...	In progress.
(*l*)	Petty Works	1,500	98	
6	*Repairs to bridges* :—*Canal bridges.*			
(*a*)	Constructing a retaining wall at the junction of Law's Bridge Road and Cooum River Side Road	1,230	1,173	Paid in full.
(*b*)	Repairing the bridge at Kariar Kuppam across Buckingham Canal	190	...	Completed.
(*c*)	Repairing the bridge at Ice House Road across Buckingham Canal	160	...	Do.
(*d*)	Repairing the bridge at Sunkuvar Street across Buckingham Canal	200	...	In progress.
	Carried over ...	2,35,755	1,96,348	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	2,35,755	1,96,348	
	GRANT I.—*Public Works*—(Contd).			
	II. REPAIRS—(Contd).			
	(*a*) *Communications.*—(Contd).			
(*e*)	Reform the road over Basin Bridge including the eastern side portion up to Wall Tax Road.	2,850	...	Completed. The expeuditure is included in item 1.
(*f*)	Reforming Munro Bridge from Spur Tank Road to lamp post No. 15/179	810	...	Abandoned.
(*g*)	Petty Works	560	75	
7	Tarring roads	10,000	12,906	
8	Petty Works	2,600	1,344	
	Total ...	2,52,575	2,10,673	
	(*b*) *Buildings.*			
I	Repairs and improvements to Municipal buildings including Petty Works and Pumping Stations :—			
1	Removing the uralite sheet roofing and re-roofing with teakwood reepers and Mangalore tiles to the contagious shed, Lying-in Hospital	420	424	Paid in full. Excess sanctioned by S. C. on 4-11-14.
2	Repairing the Surgery Ward attached to Rajah Sir Ramasawmy Mudaliar's Lying-in-Hospital	750	708	Completed.
3	Repairing the Victoria Jubilee Ward attached to the Lying-in-Hospital, Moneghar Choultry Road	120	117	Paid in full.
4	Repairing the Matron's quarters attached to the Lying-in-Hospital, Moneghar Choultry Road	110	104	Do.
5	Repairing the L. R. & L. G. Wards attached to the Lying-in-Hospital, Moneghar Choultry Road	325	325	Do.
6	Repairing, whitewashing and painting Albert Victoria Ward and the corriders in the Lying-in-Hospital, Moneghar Choultry Road	350	337	Do.
7	Repairing drivers' lines attached to 'H' Bullock Depot in Slaughter House Road ..	620	620	Do.
8	Repairing the drivers' lines attached to the Burial-ground Depot in Kathiwakum High Road	1,950	1 660	Do.
9	Constructing a screen wall to coolies' shed and repairing the Superintendent's Office, Korukupet Rubbish Depot	200	159	Do.
10	Repairs to C. Depot, 3rd Division	325	...	Completed.
11	Providing sunshades and other improvements to Hope Lodge, Perambur ...	390	388	Paid in full.
	Carried over ...	5,560	4,842	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II—Repairs—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	5,560	4,842	
	GRANT I.—*Public Works*—(Contd.)			
	II. REPAIRS—(Contd.)			
	(*b*) *Buildings*—(Contd.)			
12	Constructing protection wall, repairing the cracks, fixing the rods, &c., for the building at Hope Lodge	275	253	Completed.
13	Manufacturing 3 iron rods to support the building at Hope Lodge	100	102	Paid in full.
14	Removing rotten teakwood rafters and replacing the same and shifting tiles of Store-room and Office, A. Depot, Bullock Shed ...	240	240	Do.
15	Repairing the 144 houses and bazaars in Model Paracherry, Cemetery Road ...	2,240	...	In progress.
16	Repairing the Chetties' waiting shed in Washermanpet burial and burning ground.	930	...	Do.
17	Repairing the Licensing Clerks' quarters at Ennore	400	...	Do.
18	Repairs to Baliah Naidu Dispensary at Rutler's Lane	600	532	Completed.
19	Repairing a portion of Engine Drivers' quarters attached to the Rayapuram Pumping Station now occupied by the Bailiff of the Revenue Department	220	177	Paid in full.
20	Repairing the male and female latrines at Hanumantharayan Kovil Street	170	...	Completed.
21	Repairing the male and female latrines in Mottankuppam	220	...	Do.
22	Repairing the latrine in Sundaram Pillai Lane	500	...	Do.
23	Repairing the latrine in Perambur Chuckli-paliam	105	...	Do.
24	Repairing the latrine in Polu Naicken Street.	155	...	Do.
25	Making improvements to the 10th Division Overseer's stores	600	584	Paid in full.
26	Removing and refixing Steam Road Roller Shed at Ottary Nullah	450	445	Do.
27	Repairing the Slaughter Houses in the 10th Division	210	...	Completed.
28	Making improvements to Gram Shed, Conservancy Depot, Chulai	770	...	Do.
29	Making improvements to the Corporation Day School at Chetput	120	112	Paid in full.
30	Gravelling inside the compound wall of the Chetput School	200	92	In progress.
31	Paving the rear side of the Motor Fire Engine Shed at Pudupet	275	273	Paid in full.
	Carried over ...	14,340	7,652	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II—Repairs—(*Continued*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	14,340	7,652	
	GRANT I.—*Public Works*—(Contd.)			
	II. REPAIRS—(Contd.)			
	(*b*) *Buildings*—(Concld.)			
32	Repairing the Hackney Carriage Stand at the junction of Peter's Road and Mount Road	210	209	Paid in full.
33	General repairs to Royapettah Hospital ...	3,000	2,719	Do.
34	Erecting a light verandah with lamite tiles in the Moore Market Superintendent's quarters	210	202	Do.
35	Repairing the European water closet at Moore Market and fixing sanitary fittings ...	305	175	In progress.
36	Removing the existing Cudappah slab stalls and putting up side railing in the northern outer verandah of Moore Market for iron-mongers' stalls	700	...	Completed.
37	Securing the wrought-iron gates in the Moore Market	120	...	Do.
38	Putting up brick-nagged partition between the restaurants over the New Evening Bazar	650	...	Do.
39	Manufacturing 4 teak bicycle stands for Ripon Buildings, People's Park	150	...	Do.
40	Alterations to Motor Pump room in Ripon Buildings, People's Park	200	.....	Do.
41	Putting up a brick-nagged partition in current records room in the 2nd floor of Ripon Buildings	230	...	Abandoned.
42	Repairing the corner building of Errabalu Chetty Street	150	99	Paid in full.
43	Extending the verandah of Fitters' Shed to accommodate new machinery at the Corporation Workshop	375	392	Do.
44	Extending the Carpenters' Shed at the Corporation Workshop	420	394	Do.
45	Repairs to No. 3, Cottage Delivery Channel.	190	191	Do.
46	Repairing the Male and Female Bathing Fountain at the Cart Stand, Elephant Gate, and laying 350 feet of 6″ pipe C. I. to the drains of the same	430	...	Completed.
47	Repairs to the incinerator, Basin Bridge Road	250	6	Do.
48	Repairs to the incinerator and Superintendent's Shed at Krishnampet	130	62	Do.
49	Repairs to pumping stations	7,000	2,297	
50	Petty Works	7,000	4,608	
II	Labour	2,280	1,976	
	TOTAL ...	38,340	20,982	

STATEMENT II-A—Details of Allotment for Expen diture on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs – *(Continued).*

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
	GRANT I—*Public Works* (contd.)	Rs.	Rs.	
	II REPAIRS *(Contd.)*			
	(c) Drainage (Ordinary.)			
I	Repairs to Masonry drains :—			
1	Constructing an intermediate manhole in White's Road at the junction of Rasul Omarkhan Bahadur Street, Thousand Lights	165	142	Completed.
2	Constructing a new manhole in Mangapathy Naicken Street, Chintadripet	175	157	Do.
3	Covering the open drain of Muthu Mudali Street, at Veyasarpadi	410	411	Paid in full.
4	Dismantling outer portion of ventilator and connecting shaft basement in Umpherson Street	100	65	Completed.
5	Manufacturing and supplying 2 C. I. manhole covers, 24 in. diameter with lids for the Sewer Superintendent, I and III Divisions ...	100	15	In progress.
6	Manufacturing 6 C.I. gratings 2 ft. 6 in. 8 C. I, gratings, 3' × 3' and 1 C.I. grating, 3½' × 3½ for Building Overseer, 6th and 7th Divisions	190	176	Paid in full.
7	Connecting drain from Strahams' Road to Angalamman Kovil Street, Chulai ..	590	104	In Progress.
8	Repairing the side drains in Chinnathambi Mudali Street	165	163	Paid in full.
9	Connecting side drains of Tiruvatteswarenpettah Road	360	156	Completed.
10	Connecting the side drain of Muhamed Abdulla Saib Street to Bell's Road, Triplicane	160	107	Do.
11	Connecting drain from Venkata Naicken Street and constructng mahole and silt pit, at Bell's Road	365	259	Do.
12	Constructing a manhole in Bell's Road and connecting drain in office Venkatachela Mudali Street, Triplicane	195	99	Completed.
13	Constructing drains and cesspools for house service in Eldam's Road	275	252	Paid in full.
14	Repairing the side drains from Audiappa Naick Street to the junction of Tirupalli Street and Mint Street	350	258	Do.
15	Regrading the storm water drain in Purasawaukam High Road, for draining the Northern portion of Ramaswamy Pillai Street	1,800	1,770	Do.
16	Regrading the storm water drain in Venaitheertha Mudali Street and Ramasawmy Pillai Street	1,700	1,602	Do.
17	Examining and repairing the overflow channel in China Bazaar Road	540	604	Paid in full. Excess sanctioned by S. C., on 26-2-15.
	Carried over ..	7,640	6,340	

STATEMENT II-A—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs—*(Continued)*.

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	7,640	6,340	
	GRANT I—*Public Works* (contd.)			
	II REPAIRS (contd.)			
	(c) *Drainage (Ordinary.)* (contd.)			
18	Examining and repairing the Overflow channel in Anna Pillai Street	150	111	Paid in full.
19	Examining and repairing the Overflow channel in Ramanan Street	700	...	Not begun.
20	Repairing the masonry underground drain in Putnool Sadar Singh Street, Periamet ...	425	382	Paid in full.
21	Raising the manholes and reconstructing to the road level in Mundakanni Ammen Kovil Street, Mylapore	170	28	In progress.
22	Raising the manholes and reconstructing to the road level in Mundakanni Ammen Kovil Garden, Mylapore	290	47	Do.
23	Laying 6 in. and 4 in. stoneware pipes, reparing syphons, fixing Ventilation shaft and connecting syphons with C. I. pipes in Thanappa Chetti Street, Tripicane ...	1,180	720	Completed.
24	Repairing the drain in Ordnance Lines ...	500	500	Paid in full.
25	Repairing the side drains in the 11th Division	170	...	In progress.
26	Repairing the masonry underground drain in Karpura Mudali Street, Periamet ...	800	...	Do.
27	Improvements to syphons in Mufti Amirulla Sahib Street, Triplicane, and also constructing side drains in the above street ...	210	131	Completed.
28	Constructing a chamber and connecting the sewer in Covelong Muthugramani Street, Periamet	140	81	Do.
29	Relaying 6 in. sewer in Mari Chetti Street, Mylapore	2,265	1,331	Do.
30	Repairing and cement plastering the side drains in Office Vencatachalla Mudali Street	295	...	This was provided for arrear work but was found to be unnecessary.
31	Repairing the broken parts of the big drain in Muhamed Akbar Sahib Street, wherever necessary	600	597	Paid in full.
32	Repairing the broken parts of big drain running in Chetties Garden through Bungaru Naick Street	600	450	Do.
II	Petty Works	5,000	4,510	
III	Sewer, main drain, &c., cleaning	23,620	21,853	
	House drainage	2,030	1,483	
	Carried over ...	46,785	38,564	

STATEMENT II-A—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs—(*Concluded*).

No.	Particulars.	Revised Estimate Grant.	Expenditure during the year.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	46,785	38,564	
	GRANT I—*Public Works* (concld.)			
	II. REPAIRS (concld.)			
	(*c*) *Drainage* (*Ordinary.*) (concld.)			
	Pumping Stations	1,62,450	1,61,596	
	Hire of Coolies	49,000	37,463	
	Maintenance of bullocks	70,890	72,545	
	Do. of carts	7,500	6,801	
	Total ...	3,36,625	3,16,969	
	(*d*) *Water-Supply.*			
1	Fountains—			
	1. Labour	15,200	14,707	
	2. Repairs, Materials	7,670	6,454	
2	Repairing Pipes—			
	Repairs Materials	6,000	6,512	Excess due to repair of breach in 36 in. main in Poonamalle High Road.
3	Repairs to meters including replacing old ones	6,000	4,061	
4	Repairing Delivery Channel—			
	1. Labour	2,730	2,614	
	2. Repairs Materials	6,000	4,116	
5	Red Hills Lake Staff	2,000	1,916	
6	Maintenance of temporary Electric Pumping Schemes	3,200	4,392	
7	Temporary Water-Supply, Red Hills Pumping	7,000	4,564	
8	Pumping Station, Kilpauk	29,280	15,982	
	Total ...	85,080	65,318	
	(*e*) *Miscellaneous.*			
1	Petty Works.	1,750	1,145	

STATEMENT IV-A.—*Demand, Collection and Balance Statement of Taxes, &c., for the year* 1914-1915 (*Current*).

	Description of taxes, &c.	Gross Demand.	Remitted on appeal.	Net Demand (Column 2 *minus* Column 3).	Collection. For the year 1914-15.	Collection. Taxes prepaid in advance for 1915-16.	Collection. Percentage of collection for the year to net Demand.	Remission. For vacancy, &c.	Remission. Written off.	Remission. Percentage of columns 7 and 8 to net Demand.	Balance. Column 4 *minus* Columns 5, 7 and 8.	Balance. Percentage of Balance to net Demand
	1	2	3	4	5	6	6 (*a*)	7	8	8 (*a*)	9	9(*a*)
1	Tax on Arts, &c. ...	Rs. A P. 1,67,953 2 11	Rs. A. P. 50 0 0	Rs. A. P. 1,67,903 2 11	Rs. A. P. 1,66,315 10 11	Rs. A. P. 10 0 0	99·05	Rs. A P.	Rs. P. A.		Rs. A. P. 1,587 8 0	·95
2	Tax on Buildings and Lands ...	(*a*)5 762 3 9 9,14,055 10 3	(*a*) 153 4 0 749 2 5	(*a*) 5,608 15 9 9,13,306 7 10	(*a*) 5,608 15 9 8,81,562 1 6 (*c*) 642 5 3	2404 3 3		8,209 15 10 (*d*) 739 6 4	(*f*) 767 10 8		22,766 11 10	
3.	Tax on Lands ...	(*a*) 9 5 6 11,674 10 7	... ...	(*a*) 9 5 6 11,674 10 7	(*a*) 9 5 6 10,647 2 6	8 10 0		62 12 10 (*d*) 19 13 5	(*f*) .. 14 2		963 13 1	
4	Water and Drainage tax on Buildings and Lands ...	(*a*) 3,745 8 3 5,93,953 5 2	(*a*) 99 10 10 486 14 2	(*a*) 3,645 13 5 5,93,466 7 0	(*a*) 3,645 13 5 5,72,863 6 2 (*c*) 417 8 3	1562 11 10		5,305 10 9 (*d*) 480 9 8	(*f*) 498 15 8		14,798 6 5	
5	Water and Drainage tax on Lands ...	(*a*) 6 1 4 7,491 6 9	... ...	(*a*) 6 1 4 7,491 6 9	(*a*) 6 1 4 6,826 0 2	5 9 9	96·48	40 13 0 (*d*) 12 14 5	(*f*)... 9 3	0·97	624 0 4	2·55
6	Lighting tax on Buildings and Lands ...	(*a*) 720 4 10 1,14,256 14 9	(*a*) 19 2 10 93 10 0	(*a*) 701 2 0 1,14,163 4 9	(*a*) 701 2 0 1,10,201 2 10 (*c*) 80 4 8	300 8 5		1,020 4 6 (*d*) 92 6 10	(*f*) 95 15 4		2,845 14 1	
7	Lighting tax on Lands ...	(*a*) 1 2 8 1,459 5 4	... .	(*a*) 1 2 8 1,459 5 4	(*a*) 1 2 8 1,330 14 7	1 1 3		7 13 8 (*d*) 2 7 8	(*f*)... 1 9		120 7 4	
8	Tax on Vehicles with springs ...	(*b*) 956 8 0 73,730 8 0	. . ..	(*b*) 956 8 0 73,730 8 0	(*b*) 956 8 0 71,964 8 0	1381 0 0	97·63	...	... ...	...	1,766 0 0	2·37
9	Tax on Animals ...	(*b*) 786 0 0 36,721 14 0		(*b*) 786 0 0 36,721 14 0	(*b*) 786 0 0 35,749 2 0	975 0 0	97·40	...	... ...	...	972 12 0	2·60
10	Tax on Carts and other Vehicles without springs ...	(*b*) 1,317 0 0 30,699 0 0	... ...	(*b*) 1,317 0 0 30,699 0 0	(*b*) 1,317 0 0 30,665 9 5	1629 0 0	99·89	3 0 0	... ...	·01	30 6 7	0·10
11	Tolls on Vehicles and Animals entering Municipal limits ...	(*e*) 46,475 6 8	... .	(*e*) 46,475 6 8	(*e*) 46,475 6 8	... ...	100	...	... ...	...	... ...	...
12	Payment for occupation of Municipal Lands	6,168 1 0	... .	6,168 1 0	6,096 14 0	... ...	98·85	...	... ...	...	71 3 0	1·15
13	Rent of Lands and Buildings ...	31,936 4 11	... ...	31936 4 11	30,805 4 10	... ...	96·46	...	... ...	...	1,131 0 1	3·54
14	Sale proceeds of Lands ..	2,986 4 0	... ...	2,986 4 0	2,986 4 0	... ...	100·00	...	... ...	...	... ...	...
15	Esplanade &c. grazing rent, ...	2,978 0 0	... ...	2,978 0 0	2,978 0 0	... ...	100·00	...	... ...	...	... ...	...
16	Rent of Cart Stand ...	6,000 0 0	... ...	6,000 0 0	6,000 0 0	... ...	100·00	...	... ...	...	... ...	...
17	Rent of Municipal wharf ...	1,600 0 0	... ...	1,600 0 0	1,600 0 0	... ...	100·00	...	... ...	...	... ...	...

18	Peoples park	...		8,867	9	6	...	...	...		8,867	9	6	8,867	9	6	...	...	...	100·00	...	...	...	...		...	...	...	...		...	...
19	Napier park	...		135	1	10	...	...	...		135	1	10	135	1	10	...	...	...	100·00	...	...	...	...	...	...	...	...	...	...	...	...
20	Robinson park	...		255	15	0	...	.	...		255	15	0	255	15	0	...	...	.	100·00	...	.	...	...	...	...	...	...	...	...	...	...
21	Grass farm	...	(b)	158	2	6				(b)	158	2	6	(b) 158	2	6															
				36,551	15	3	...	...	...		36,551	15	3	35,916	0	4	321	2	5	98·27	...	...	...	400	0	0	1·09	235	14	11	0·64
22	Sale of rubbish	...		17,575	9	6	...	...	...		17,575	9	6	16,957	14	10	...	...	...	99·82	...	...	.	...	...	...	...	(g) 617	10	8	0·18
23	Private Scavenging	...		7,007	3	7	...	...	..		7,007	3	7	7,007	3	7	...	...	...	100·00	...	..	...	...	...	...	...	...	.	..	...
24	Hospital Receipts	...		541	0	0	...	...	..		541	0	0	541	0	0	...	...	...	100·00	...	...	...	...	...	...	.....	...	...	..	...
25	Smithfield Market	...		4,525	0	0	...	.	...		4,525	0	0	4,525	0	0	...	...	...	100·00	...	...	...	...	...	...	...	...	...	.....	...
26	Moore Market	...		33,781	6	4	...	...	...		33,781	6	4	32,571	6	4	...	...	...	96·42	...	..	...	..	...	...	...	1,210	0	0	3·58
27	Income from Slaughter houses & Slaughter of animals for food	..		83,131	0	3	...	...	...		83,131	0	3	80,197	10	11	...	...	.	96·47	...	...	...	...	...	...	.....	2,933	5	4	3·53
28	License fees on Import of Timber and Firewood	..		1,90,932	2	4	...	...	...		1,90,932	2	4	1,28,614	7	8	...		...	67·36	58,348	3	2	...	.	.	...	30·56	3,969	7	6	2·08
29	Private Markets	...		37,00	0	0	...	...	...		3,700	0	0	3,700	0	0	...	...	...	100·00	...	...	...	...	.	..	...	...	...		...
30	Licenses Registration.	...	(b)	460	12	0				(b)	460	12	0	(b) 460	12	0															
				63,770	12	0	...	...	..		63,770	12	0	62,394	0	0	1430	4	0	97·84	...	.	...	...	..	...	...	1,376	12	0	2·16
31	Cart Stand fees	...		720	0	0	...	...	...		720	0	0	720	0	0	...	...	...	100·00	...	...	...	...	...	...	...	...	.	...	...
32	School fees	...		970	10	0	...	...	..		970	10	0	970	10	0	...	...	...	100·00	...	...		...	...	...	.....	...	...	..	...
33	Payment for water for non-domestic purposes	...		1,39,250	10	0	...	...			1,39,250	10	0	1,37,640	2	0	...	...	..	98·84	...	...	...	..	...	...	...	1,610	8	0	1·16
			(a&b)	13923	0	10	(a) 272	1	8	(a&b)	13,650	15	2	(a&b) 13650	15	2															
	Total ...			26,41,855	13	11	1,379	10	7		26,40,476	3	4	25,06,081	9	7	10,029	2	11	94·90	72,998	9	9	f 1,764	2	10	2·82	59,631	13	2	2 28
														(c) 1,140	2	2					1,347	10	4								

(a) The amount prepaid in advance in the previous year under Section 174 for the demand of 1914-15.
(b) The amount prepaid in advance in the previous year towards the demand of 1914-15.
(c) The difference refundable between the taxes prepaid under Section 174 and subsequently reduced on appeal.
(d) Represents the amount already refunded towards the taxes prepaid under Section 174 and subsequently reduced on appeal.
(e) Includes penal interest for instalments overdue.
(f) Includes Rs. 1,364-2-10 in respect of House &c. Taxes combined, *viz.*, the amounts remitted under Sec. 117 of the Madras City Municipal Act, as per Resolution passed in the Corporation.
(g) Rs. 587-3-0 has since been adjusted.

STATEMENT IV-B.—*Demand, Collection and Balance Statement of Taxes, &c., for the year* 1914-1915 (*Arrear*).

	Description of Taxes, &c.	Arrears of previous years.			Balance of last year.			Subsequent amendments and additions during the year.			Total arrear Demand (Columns 2, 3, & 3(*a*)).			Remission on objection.			Net Demand (Column 4 *minus* Column 5).			Collection.			Remission.						Balance.				Years to which the Balance relates.
																				Collection.		Percentage of collection to net Demand.	For Vacancy, &c.			Written off.			Percentage of total of columns 8 & 9 to Net Demand.	Balance (column 6 *minus* columns 7, 8 and 9).			Percentage of Balance to Net Demand.	
	1	2			3			3 (*a*)			4			5			6			7		7 (*a*)	8			9			9 (*a*)	10			10 (*a*)	11
		Rs.	A.	P.	Rs.	A	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A	P.		Rs.	A.	P.	Rs.	A.	P.		Rs.	A.	P.		
1	Tax on Arts, &c. ...	165	0	0	868	0	0	872	8	0	1,905	8	0	247	8	0	1,658	0	0	1,606	4	3	96·86	...	...	...	1	11	9	·12	50	0	0	3·02	1911-12to1913-14.
2	Tax on Buildings and Lands	40,854	12	3	48,025	8	5	—37,230	5	9	5,1649	14	11	...	...	...	51,649	14	11	42,492	7	11		420	2	6	7	10	5		8,729	10	1		
3	Tax on Lands ...	35	1	2	434	9	10	25	5	2	495	0	2	...	...	..	495	0	2	428	10	2		17	11	4	...	...	...		48	10	8		
4	Water and Drainage tax on Buildings and Lands.	26, 583	3	1	31,216	9	5	—24,227	5	3	33,572	7	3	...	...	...	33,572	7	3	27,620	1	6		273	2	0	4	15	6		5,674	4	3		
5	Water and Drainage tax on Lands.	28	2	7	282	2	4	11	7	2	321	12	1	...	...	.	321	12	1	278	9	8	(*a*) 82·31	11	8	3	...	...	..	0·86	31	10	2	(*b*) 16·83	1911-12to1913-14
6	Lighting Tax on Buildings and Lands.	5,120	11	10	6,003	3	2	—4,667	11	10	6,456	3	2	...	...	...	6,456	3	2	5,311	8	3		52	8	4	0	15	4		1,691	3	3		
7	Lighting Tax on Lands ...	6	1	0	54	5	3	1	8	3	61	14	6	...	...	...	61	14	6	53	9	9		2	3	5	...	...	..		6	1	4		
8	Tax on Vehicles with springs	120	8	0	1,180	8	0	324	8	0	1,625	8	0	537	5	3	1,088	2	9	1,016	10	9	93 47	...	...	..	...	...	...	...	71	8	0	6·53	1912-13&1913-14.
9	Tax on Animals ...	33	4	0	748	10	0	192	12	0	974	10	0	297	10	5	676	15	7	643	3	7	94·98	..	...	...	...	...	...	...	33	12	0	5·02	Do. do.
10	Tax on Carts and other vehicles without springs.	...	...	...	9	0	0	186	0	0	195	0	0	9	0	0	186	0	0	180	0	0	96·77	...	...	...	...	...	...	...	6	0	0	3 23	1913-14.
11	Tolls on Vehicles and Animals entering Municipal Limits.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Payment for occupation of Municipal Lands.	4	10	0	56	12	0	1	11	6	63	1	6	27	6	0	35	11	6	29	9	6	82·87	...	...	...	...	...	.	...	6	2	0	17·13	1912-13&1913-14.
13	Rent of Lands and Buildings	20	5	3	398	8	3	379	0	10	797	14	4	...	...	..	797	14	4	719	15	5	90·23	...	...	...	...	...	...	...	77	14	11	9 77	Do. do.
14	Grass farm ...	94	9	10	1,116	6	8	—10	2	2	1,200	14	4	...	.	...	1,200	14	4	1,200	14	4	100·00	...	...	..	...	...	...	...	...	...	...	...	
15	Moor Market ...	....	...	...	...	..	...	...	..	...	...	.	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
16	License fees on import of timber and firewood.	...	..	...	2,864	11	6	...	...	...	2,864	11	6	...	...	...	2,864	11	6	2,864	11	6	100·00	...	...	...	...	...	...	...	...	...	...	...	
17	Private Market ...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
18	Licenses registration ...	...	...	.	1,510	12	0	—43	0	0	1,467	12	0	...		...	1,467	12	0	1,357	0	0	92·44	...	...	...	71	12	0	4·90	39	0	0	2·66	1913-14.
19	Cart Stand fees ...	...	...	...	...	...	..	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
20	Payment for water for non-domestic purposes.	...	...		2,995	3	5	6,040	14	0	9,036	1	5	37	8	0	8,998	9	5	8,945	9	11	99·41	...	...	...	...	...	...	...	52	15	6	·59	1913-14.
21	Sale of Rubbish ...	22	8	0	108	2	0	...	...	..	130	10	0	...	...	..	130	10	0	...	...	...	...	...	...	...	...	...	...	...	130	10	0	...	1912-13&13-14.
22	Income from Slaughter House ...	...	...	...	333	5	4	...	...	...	333	5	4	...	...	...	333	5	4	...	...	...	...	...	...	...	...	...	...	...	(*c*) 333	5	4	100	1913-14.
	Total...	73,088	13	0	98,206	5	7	—58,142	14	1	113152	4	6	1,156	5	8	111995	14	10	94,748	14	6	84·60	777	3	10	87	1	0	0·77	16,382	11	6	14·63	

(*a*) Exclusive of the sum due by Government Military Department and the amount covered by decrees the percentage is 97·42.
(*b*) The percentage of balance to the demand exclusive of the sum due by Government Military Department is only 1·60.
(*c*) Since adjusted.

STATEMENT IV-C.—Showing particulars of classification of assessments of Profession Tax under each class of the Schedule as compared with that of the previous year.

Classification as per Schedule V.	For the year 1913-1914.				For the year 1914-1915.				Percentage of increase or decrease.	REMARKS.
	No. of assessments.	Amount of taxes thereon.			No. of assessments.	Amount of taxes thereon.				
		Rs.	A.	P.		Rs.	A.	P.		
I-A	109	27,250	0	0	107	26,750	0	0	— 1·8	Due to transfer to lower classes.
I-B	24	4,200	0	0	22	3,850	0	0	— 8·3	
I-C	30	3,000	0	0	28	2,800	0	0	— 6·6	
I-D	8	600	0	0	8	600	0	0	...	
I Pro (1)	18	2,250	0	0	20	2,500	0	0	+ 11·1	Due to transfer from higher classes.
I Pro (2)	39	2,925	0	0	26	1,950	0	0	—33·3	Due to cancellation & transfer to lower classes.
I Pro (3)	30	750	0	0	33	825	0	0	+ 10	Due to transfer from higher classes.
I	216	27,000	0	0	224	28,000	0	0	+ 3·7	Due to transfer from lower classes.
II	232	17,400	0	0	235	17,625	0	0	+ 1·2	
II-C	13	650	0	0	7	350	0	0	—46·1	Due to cancellation & transfer to higher classes.
III	506	18,975	0	0	543	20,362	8	0	+ 7·3	Due to transfer from lower classes.
III-C	21	525	0	0	21	525	0	0	...	
IV	805	14,087	8	0	795	13,912	8	0	— 1·2	Due to unfavourable conditions prevailing in trade consequent on the war.
V	1,391	13,910	0	0	1,332 & 2 diff.	13,333	2	11	— 4·09	
VI	3,769	18,845	0	0	3,624	18,120	0	0	— 3·8	
VII	6,584	16,460	0	0	6,560	16,400	0	0	— ·36	
Total ...	13,795	1,68,827	8	0	13,585 & 2 diff.	1,67,903	2	11	— 1·5	

STATEMENT IV-D.—Outstanding arrears year war under the combined property taxes and the collections and adjustments made during the year, as compared with 1913-14.

Period.	For 1913-14.												For 1914-15.											
	Opening outstanding balance including subsequent amendments and additions.			Collection.			Remission and writes off.			Outstanding balance on 31-3-14.			Opening outstanding balance including subsequent amendments and additions.			Collection.			Remission and writes off.			Outstanding balance on 31-3-15.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
For 1910-11	3	3	2	...	...	...	...	...	...	3	3	2	3	3	2	3	3	2	...	...	...	...	...	...
,, 1911-12	429	4	4	318	3	9	49	10	5	61	6	2	422	5	4	395	0	5	6	6	2	20	14	9
,, 1912-13	79812	9	2	6,855	3	3	393	15	4	72,563	6	7	39,924	1	8	32,578	1	7	52	12	11	7,293	3	2
,, 1913-14	...	...	...	...	...	...	...	...	...	...	...	...	52,207	9	11	43,208	10	1	731	10	0	8,267	5	10
Total ...	80,245	0	8	7,173	7	0	443	9	9	72,627	15	11	92,557	4	1	(a)76,184	15	3	790	13	1	(b) 15,581	7	9

(*a*) Includes Rs. 64,276-8-4 *viz.*, the amount paid by Government for the increased tax on civil buildings under appeal for the years 1912-13 and 1913-14, as settled by the committee appointed for the purpose.

(*b*) Includes Rs. 14 328-12-8 being the increased tax for 1912-13 and 1913-14 on Government military buildings under appeal.

STATEMENT IV-E.—GRADATION LIST.—The following is a gradation of the Combined Rates levied on Buildings and Lands.

Gradation of Annual Taxes.	Number of Buildings and Lands.	Amount of House, Water and Drainage and Lighting Taxes thereon.			Number of Lands.	Amount of House, Water and Drainage and Lighting Taxes thereon.			TOTAL.			
									Number of Buildings and Lands.	Amount of Taxes thereon.		
		Rs.	A.	P.		Rs.	A.	P.		Rs.	A.	P.
Under 8 annas	1,001	405	10	9	262	75	11	10	1,263	481	6	7
8 annas and under 1½ Re.	3,088	2,792	13	8	618	583	8	3	3,706	3,376	5	11
1½ Re. and under Rs. 5	8,997	28,352	3	11	729	2,000	8	7	9,726	30,352	12	6
5 Rupees and under Rs. 15	14,644	1,44,730	4	8	355	3,039	13	10	14,999	1,47,770	2	6
15 Rupees and under Rs. 30	10,107	2,22,727	7	11	104	2,207	14	0	10,211	2,24,935	5	11
30 Rupees and upwards	11,512	12,31,883	9	10	85	12,734	7	8	11,597	12,44,618	1	6
Total ...	49,349	16,30,892	2	9	2,153	20,642	0	2	51,502	16,51,534	2	11

STATEMENT IV-F.—*Classification of Assessments under Tax on Vehicles with Springs and on Animals.*

Articles of Schedule VI	—	Half-yearly rate of tax.	1st Division.		2nd Division.		3rd Division.		4th Division.		5th Division.		6th Division.		7th Division.		8th Division.		9th Division.		10th Division.		11th Division.		12th Division.		13th Division.		14th Division.		15th Division.		16th Division.		17th Division.		18th Division.		19th Division.		20th Division.		Total for 1914-15.		Total for 1913-14.	
			No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
	VEHICLES.	Rs.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A. P.
I	(*a*) Four-wheeled vehicle with springs propelled by electricity, gas, steam or any other mechanical power	25	11	275 0	13	325 0	2	50 0	18	450 0	29	725 0	4	100 0	15	375 0	21	525 0	14	350 0	3	75 0	5	125 0	152	3,800 0	68	1,700 0	76	1,900 0	180	4,500 0	15	375 0	21	525 0	7	175 0	69	1,725 0	69	1,725 0	792	19,800 0	636	15,900 0 0
	(*b*) Four-wheeled vehicle with springs drawn by two or more horses	15	...	... ...	4	60 0	...	... ...	2	30 0	5	75 0	6	90 0	4	60 0	19	285 0	5	75 0	...	... ...	...	... ...	8	120 0	13	195 0	4	60 0	23	345 0	6	90 0	17	255 0	8	120 0	10	150 0	1	15 0	135	2,025 0	166	2,490 0 0
II	Four-wheeled vehicle with springs drawn by a horse, mule, bull or bullock or by two or more horses under 13 hands, or by two or more mules, bulls or bullocks	7½	46	345 0	39	292 8	14	105 0	106	795 0	156	1,170 0	209	1,567 8	107	802 8	221	1,657 8	123	922 8	54	405 0	94	705 0	262	1,965 0	164	1,230 0	116	870 0	192	1,440 0	71	532 8	153	1,147 8	84	630 0	106	795 0	168	1,260 0	2,485	18,637 8	2,585	19,387 0 0
III	Two-wheeled vehicle with springs drawn by one or more horses, mules, bulls or bullocks ...	4½	52	234 0	163	733 8	74	333 0	74	333 0	94	423 0	127	571 8	184	828 0	178	801 0	82	369 0	84	378 0	125	562 8	115	517 8	109	490 8	74	333 0	146	657 0	108	486 0	352	1,584 0	160	720 0	278	1,251 0	110	495 0	2,689	12,100 8	2,774	12,483 0 0
IV	Bicycle or tricycle propelled by electricity, gas or steam	10	5	50 0	1	10 0	...	... ...	54	540 0	54	540 0	8	80 0	4	40 0	2	20 0	12	120 0	31	310 0	12	120 0	33	330 0	50	500 0	95	950 0	111	1,110 0	12	120 0	15	150 0	28	280 0	45	450 0	44	440 0	616	6,160 0	519	5,190 0 0
V	Every other bicycle or tricycle	2	158	316 0	53	106 0	21	42 0	185	370 0	295	590 0	81	162 0	192	384 0	117	234 0	197	394 0	120	240 0	310	620 0	504	1,008 0	387	774 0	174	348 0	250	500 0	211	422 0	453	906 0	358	716 0	214	428 0	282	564 0	4,562	9,124 0	4,535	9,070 0 0
VI	Every other vehicle with springs:—																																													
	(*a*) Perambulator	3	...	... ...	...	... ...	...	... ...	7	21 0	23	69 0	13	39 0	22	66 0	96	288 0	14	42 0	12	36 0	7	21 0	5	15 0	...	... ...	...	... ...	1	3 0	...	... ...	1	3 0	3	9 0	4	12 0	...	... ...	208	624 0	243	729 0 0
	(*b*) Jinrickshaw	3	15	45 0	28	84 0	...	... ...	50	150 0	104	312 0	89	267 0	130	390 0	143	429 0	129	387 0	24	72 0	361	1,083 0	211	633 0	124	372 0	27	81 0	34	102 0	80	240 0	190	570 0	70	210 0	75	225 0	39	117 0	1,924	5,772 0	2,188	6,564 0 0
	(*c*) Hand-cart with springs	3	9	27 0	5	15 0	1	3 0	2	6 0	24	72 0	6	18 0	1	3 0	9	27 0	3	9 0	2	6 0	...	... ...	13	39 0	15	45 0	1	3 0	33	99 0	6	18 0	16	48 0	...	... ...	1	3 0	2	6 0	148	444 0	124	372 0 0
	Total ...	...	296	1,292 0	306	1,626 0	112	533 0	498	2,695 0	784	3,976 0	543	2,895 0	659	2,948 8	806	4,266 8	579	2,698 8	330	1,522 0	914	3,236 8	1303	8,427 8	930	5,306 8	567	4545 0	970	8,756 0	509	2,283 8	1218	5,188 8	718	2,860 0	802	5,039 0	715	4,622 0	13,559	74,687 0	13,770	72,185 0 0
	ANIMALS.																																													
VII	Horse over 13 hands	7½	48	360 0	54	405 0	14	105 0	109	817 8	131	982 8	210	1,575 0	123	922 8	245	1,837 8	120	900 0	31	232 8	82	615 0	259	1,942 8	225	1,687 8	150	1,125 0	266	1,995 0	72	540 0	194	1,455 0	105	783 12	166	1,245 0	172	1,290 0	2,776	20,816 4	3,020	22,650 0 0
VIII	Horse of or under 13 hands	3¾	33	123 12	91	341 4	79	296 4	54	202 8	83	311 4	112	420 0	166	622 8	211	791 4	60	225 0	48	180 0	105	393 12	96	360 0	54	202 8	33	123 12	89	333 12	85	318 12	260	975 0	101	390 0	189	708 12	81	303 12	2,033	7,623 12	2,095	7,854 0 0
IX	Horse of or under 11 hands	1½	13	19 8	17	25 8	6	9 0	21	31 8	9	13 8	11	16 8	10	15 0	7	10 8	3	4 8	6	9 0	9	13 8	19	28 8	24	36 0	13	19 8	15	22 8	13	19 8	30	45 0	24	36 0	28	42 0	20	30 0	298	447 0	319	478 8 0
X	Bullock or Bull	¾	208	156 0	1402	1,051 8	160	120 0	98	73 8	393	294 12	186	139 8	480	360 0	317	237 12	110	82 8	877	657 12	590	442 8	248	186 0	163	122 4	458	343 8	304	228 0	235	176 4	378	283 8	319	239 4	437	327 12	251	188 4	7,614	5,710 8	7,522	5,641 8 0
XI	Male Buffalo	¾	17	12 12	2	1 8	8	6 0	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	6	4 8	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	6	4 8	...	... ...	...	... ...	...	... ...	39	29 4	45	33 4 0
XII	Ass	¾	3	1 2	6	2 4	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	...	... ...	6	2 4	11	4 2	5	1 14	...	... ...	26	9 12	4	1 8	4	1 8	...	... ...	...	... ...	6	2 4	...	... ...	71	26 10	90	33 12 0
XIII	Dog	¾	187	140 4	100	75 0	43	32 4	77	57 12	253	189 12	165	123 12	402	301 8	287	215 4	237	177 12	99	74 4	320	240 0	287	215 4	210	157 8	204	153 0	118	88 8	197	147 12	151	113 4	76	57 0	218	163 8	175	131 4	3,806	2,854 8	4,024	3,018 0 0
	Total ...	...	509	813 6	1672	1,902 0	310	568 8	359	1,182 12	869	1,791 12	684	2,274 12	1181	2,221 8	1067	3,092 4	530	1,389 12	1073	1,160 4	1117	1,708 14	914	2,734 2	676	2,205 12	884	1,774 8	796	2,669 4	606	1,203 12	1019	2,876 4	628	1,506 0	1044	2,489 4	699	1,943 4	16,637	37,507 14	17,115	39,709 0 0
	Composed of 17,353 yearly items against 17,768 yearly items in 1913-14 ... } Grand Total.	...	805	2,105 6	1978	3,528 0	422	1,101 8	857	3,877 12	1653	5,767 12	1227	5,169 12	1840	5,170 0	1873	7,358 12	1109	4,058 4	1403	2,682 4	2031	4,945 6	2217	11,161 10	1606	7,512 4	1451	6,319 8	1766	11,425 4	1115	3,487 4	2237	8,064 12	1346	4,366 0	1846	7,528 4	1414	6,565 4	30,196	112194 14	30,885	111894 0 0

STATEMENT IV-G:—Compares the receipts from the License fees levied on Import of Timber and Firewood and shows the rise and fall in Imports generally.

Period of Operation.	Articles Imported.	By Sea collected by the Madras Port Trust since 1st April 1910.	By Madras and S. M. Railway.	By S. I. Railway.	By Buckingham Canal (North).	By Buckingham Canal (South).	By Toll Gates collected by the Toll Farmer.	Total of Columns 3 to 8.	Sums with the Collecting Agencies at the end of the previous year.	Total of Columns 9 and 10.	Sums with the Collecting Agencies at the end of the year.	Refunds in the year.	Net (column 11 *minus* columns 12 and 13).
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
1911-12	Timber ...	1,53,910 0 0	15,660 4 0	757 8 0	120 0 0	... . .	96 4 0	1,70,544 0 0	1,243 12 0	1,71,787 12 0	1,192 8 0	26,792 0 0	1,43,803 4 0
	Inferior Redwood ...	... .	68 8 0	... .	... ...	... ...	2 0 0	70 8 0	6 10 0	77 2 0	21 0 0	... ...	56 2 0
	Junglewood Posts, &c. ...	2 10 0	4,238 0 0	111 12 0	357 6 0	213 12 0	799 8 0	5,723 0 0	395 4 0	6,118 4 0	313 8 0	... .	5,804 12 0
	Firewood ...	... ...	11,760 6 10	817 4 6	15,833 2 6	10,852 3 6	1,992 7 6	41,255 8 10	1,025 13 6	42,281 6 4	1 309 12 6	... ...	40.971 9 10
	Total ...	1,53,912 10 0	31,727 2 10	1,686 8 6	16,310 8 6	11,065 15 6	2,890 3 6	2,17,593 0 10	2,671 7 6	2,20,264 8 4	2,836 12 6	26,792 0 0	1,90,635 11 10
1912-13	Timber ...	1,58,725 0 0	13,117 8 0	592 8 0	... ...	... ...	170 0 0	1,72,605 0 0	1,192 8 0	1,73,797 8 0	1,201 4 0	31,333 12 0	1,41,262 8 0
	Inferior Redwood ...	... ...	105 0 0	... . .	... .	6 0 0	1 0 0	112 0 0	21 0 0	133 0 0	29 8 0	... .	103 8 0
	Junglewood Posts, &c. ...	... ...	5,126 10 0	97 8 0	10 2 0	208 8 0	774 12 0	6 217 8 0	313 8 0	6,531 0 0	408 0 0	... ...	6,123 0 0
	Firewood ...	111 0 0	14,794 5 11	1,374 5 0	17,292 7 6	8,914 2 0	1,707 4 0	44,193 8 5	1,309 12 6	45,503 4 11	1,913 7 6	.. ... .	43 589 13 5
	Total ...	1,58,836 0 0	33,143 7 11	2,064 5 0	17,302 9 6	9,128 10 0	26,53 0 0	2,23,128 0 5	2,836 12 6	2,25,964 12 11	3,552 3 6	31,333 12 0	1,91,078 13 5
1913-14	Timber ...	1,52,805 0 0	18,011 4 0	732 8 0	10 0 0	... .	102 8 0	1,71,661 4 0	1,201 4 0	1,72,862 8 0	1 347 8 0	47,124 6 0	1,24,390 10 6
	Inferior Redwood ...	... ...	46 8 0	2 0 0	... ...	62 0 0	4 8 0	115 0 0	29 8 0	144 8 0	1 0 0	... ...	143 8 0
	Junglewood Posts, &c. ..	77 10 0	4,696 4 0	64 8 0	34 8 0	171 6 0	919 8 0	5,963 12 0	408 0 0	6,371 12 0	413 10 0	... ...	5,958 2 0
	Firewood ...	... ...	15,309 12 9	1,253 12 0	18,820 2 0	6,439 12 6	1,833 3 5	43,656 10 8	1,913 7 6	45,570 2 2	1,102 9 6	... ...	44,467 8 8
	Total ...	1,52,882 10 0	38,063 12 9	2,052 12 0	18,864 10 0	6,673 2 6	2,859 11 5	2,21,396 10 8	3,552 3 6	2,24,948 14 2	2,864 11 6	47,124 6 0	1,74,959 12 8
1914-15	Timber ...	1,28,556 4 0	12,237 8 0	927 8 0	3 12 0	... ...	125 0 0	1,41,850 0 0	1,347 8 0	1,43,197 8 0	1,742 0 0	58 348 3 2	83,107 4 10
	Inferior Redwood ...	... ...	215 8 0	8 0 0	.. ..	... .	3 0 0	226 8 0	1 0 0	227 8 0	6 8 0	... ...	221 0 0
	Junglewood Posts, &c. ...	... ...	4,570 14 0	46 14 0	... .	64 4 0	1,169 8 0	5,851 8 0	413 10 0	6,265 2 0	625 8 6	... .	5,639 10 0
	Firewood ...	... ...	16,011 13 2	246 11 0	18,486 13 6	6,250 0 0	2,008 12 8	43,004 2 4	1,102 9 6	44,106 11 10	1,595 7 6	... ...	42,511 4 4
	Total ...	1,28,556 4 0	33,035 11 2	1,229 1 0	18,490 9 6	6,314 4 0	3,306 4 8	1,90,932 2 4	2,864 11 6	1,93,796 13 10	3,969 7 6	58,348 3 2	1,31,479 3 2

STATEMENT IV-H.—The several processes adopted for realization of the various Taxes, &c., abstracted below.

Description of Taxes, &c.	Number of bills issued.	Warrants: Number issued including arrears.	Warrants: Number remaining unexecuted at the beginning of the year.	Warrants: Total.	Warrants adjusted: By payment before execution.	Warrants adjusted: By payment after execution and cancelment.	Warrants adjusted: Total.	Number of warrants remaining unexecuted at the close of the year.	Number of cases in which distress was sold.	Amount realized.			Demand towards which it was so realized.			Result of sales: Surplus: Number of cases.	Result of sales: Surplus: Amount.			Result of sales: Shortfall: Number of cases.	Result of sales: Shortfall: Amount.			Number of Prosecutions instituted for default.	Distraint fees realized.		
1	2	3	4	5	6	7	8	9	10	11			12			13	14			15	16			17	18		
										RS.	A.	P.	RS.	A.	P.		RS.	A.	P.		RS.	A.	P.		RS.	A.	P.
1 Tax on Arts, &c. ...	14,135	706	76	782	687	29	716	66	4	21	10	9	29	12	0	1	2	7	7	3	10	8	10	451	10	0	0
2 House, Water and Drainage & Lighting Taxes on Buildings and Lands ...	10,36,30	9,155	1,236	10,391	9,389	32	9,121	970	56	262	15	7	542	6	6	12	15	6	1	44	294	13	0	18	71	4	0
3 Tax on Vehicles with springs and on Animals ...	11,55 6	727	154	881	536	208	744	137	6	38	0	6	48	12	0	2	5	8	2	4	16	3	8	2,456	19	9	0
4 Tax on Carts ...	...	...	...	...	...	...	...	...	16	53	9	8	48	0	0	10	12	0	3	6	6	6	7	...	...	..	...
5 Payment for occupation of Municipal Lands ...	15,847	...	...	...	...	...	...	...	1	3	12	10	3	12	0	1	0	0	10	...	...	...	...	...	7	0	0
6 Rent of Municipal Lands not falling under Section 408.	2,825	1,128	33	1,161	1,136	15	1,151	10	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	4	0
7 Miscellaneous Receipts ...	2,173	200	44	244	206	9	215	29	1	7	13	5	8	0	0	...	...	..	...	1	0	2	7	...	0	13	5

STATEMENT IV-J.—The following is an analysis of collection of each tax at each stage.

1	ARREAR.				CURRENT.					11
	2	3	4	5	6	7	8	9	10	
Description of Taxes, &c.	On service of bill.	After issue and before execution of warrant.	After execution of warrant.	Total of Columns 2, 3 & 4.	Collected in advance in the previous year.	On service of bill.	After issue and before execution of warrant.	After execution of warrant.	Total of Columns 6, 7, 8, & 9.	Total of Columns 5 & 10.
	RS. A. P.	RS A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	Rs. A. P.	RS. A. P.	Rs. A. P.	Rs. A. P.
1. Tax on Arts, &c.	1,526 4 3	67 8 0	12 8 0	1,606 4 3	... ...	1,64,059 0 0	2,127 8 0	129 2 11	1,66,315 10 11	1,67,921 15 2
2. House Tax on Buildings and Lands ...	36,312 2 0	6,438 14 6	170 1 7	42,921 2 1	5,689 7 3	8,53,454 1[illegible] 2	38,356 15 0	326 3 10	8,97,827 9 3	9,40,748 11 4
3. Water and Drainage Tax on do	23,537 14 1	4,250 4 0	110 9 1	27,898 11 2	3,698 2 5	5,54,499 1 6	24,932 0 2	212 1 0	5,83,341 5 1	6,11,240 0 3
4. Lighting Tax on do	4,526 8 3	817 5 7	21 4 2	5,365 2 0	711 2 11	1,06,687 12 10	4,794 9 10	40 12 6	1,12,234 6 1	1,17,599 8 1
5. Tax on Vehicles with springs and on Animals ...	261 12 0	1,342 14 0	55 4 4	1,659 14 4	1,742 8 0	1,03,496 0 0	4,048 14 0	168 12 0	1,09,456 2 0	1,11,116 0 4
6. Payment for occupation of Municipal Lands ...	28 5 6	... ...	1 4 0	29 9 6	... ...	6,010 8 0	... ...	86 6 0	6,096 14 0	6,126 7 6

APPENDIX I.

TABLE No. 1.

Statement showing the current demand, collection, remission and balance under the combined property taxes as compared with the corresponding figures for 1912-13 and 1913-14.

Year.	Gross Demand.			Remitted on appeal.			Net Demand.			Collection.			Remission and written off.			Balance.			Percentage of collection to Demand.
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A	P.	Rs.	A.	P.	Rs.	A.	P.	
1912-13 ...	15,17,271	7	11	1,221	1	8	15,16,050	6	3	14,20,425	9	8	16,133	0	1	79,491	12	6	93·69
1913-14 ...	15,70,971	11	1	1,587	10	3	15,69,384	0	10	14,69,099	11	5	14,267	15	0	86,016	6	5	93·61
1914-15 ...	16,53,135	15	2	1,601	12	3	16,51,5	2	11	15,93,403	4	5	16,011	9	5	(*a*)42,119	5	1	(*b*) 96·48

(*a*) Includes Rs. 7,169-11-6, *viz* : the increased tax on Government Military buildings under appeal.

(*b*) The percentage of collection to the net demand exclusive of the enhanced amount in the assessments of Government Military buildings under appeal is 96·90.

APPENDIX I.

TABLE No. 2.

Statement showing the demand, collection, remission and balance under the combined arrear property taxes as compared with the corresponding figures for the years 1912-13 and 1913-14.

Year.	Outstanding at the beginning of the year.			Subsequent amendments and additions.			Total demand.			Collection.			Remission and written off.			Balance.			Percentage of collection to demand.
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
1912-13	11,910	14	4	—170	12	10	11,740	1	6	10,953	8	6	418	5	11	368	3	1	93·30
1913-14	79,859	15	7	385	1	1	80,245	0	8	7,173	7	0	443	9	9	72,627	15	11	8·94
1914-15	158,644	6	4	—66,087	2	3	92,557	4	1	76,184	15	3	790	13	1	(*a*)15,581	7	9	(*b*) 82·31

(*a*) Includes Rs. 14,328-12-8 being the increased tax on Government Military buildings under appeal.

(*b*) The percentage of collection to the net demand exclusive of the enhanced amount in the assessments of Government Military buildings under appeal is 97 42.

TABLE No. 3.

Statement showing the number of Vehicles and Animals assessed for the year 1914-15 as compared with that of 1913-14.

	Description of Vehicles and Animals.	Number assessed in 1913-14.	Number assessed in 1914-15.	Percentage of increase or decrease.
I.	(*a*) Four-Wheeled Vehicle with springs propelled by electricity, gas, steam or any other mechanical power	636	792	+24·53
	(*b*) Four-Wheeled Vehicle with springs drawn by two or more horses	166	135	—18·67
II.	Four-Wheeled Vehicle with springs drawn by a horse, mule, bull or bullock or by two or more horses under thirteen hands, or by two or more mules, bulls or bullocks.	2,585	2,485	—3·83
III.	Two-Wheeled Vehicle with springs drawn by one or more horses, mules, bulls or bullocks	2,774	2,689	—3·08
IV.	Bicycle or tricycle propelled by electricity, gas or steam (*Vide* note VI below) ..	519	616	+18·69
V.	Every other bicycle or tricycle	4,535	4,562	+·59
VI.	Every other vehicle with springs—			
	(*a*) *Perambulator*	243	208	—14·40
	(*b*) *Jinrickshaw*	2,188	1,924	—12·07
	(*c*) *Hand-cart with springs*	124	148	+19·35
VII.	Horse over thirteen hands	3,020	2,776	—8·08
VIII.	Horse of or under thirteen hands or mule ...	2,095	2,033	—2·96
IX.	Horse of or under eleven hands	319	298	—6·58
X.	Bullock or Bull	7,522	7,614	+1·24
XI.	Male Buffalo	45	39	—14·22
XII.	Ass	90	71	—21·11
XIII.	Dog	4,024	3,806	—5·34

TABLE No. 4.

Statement showing the Details of Refunds of other than current collections during 1914-15.

Particulars.	Amount.		
	Rs.	A.	P.
Tax on Arts, &c.	345	0	0
House, Water and Drainage and Lighting taxes on Buildings and Lands	17,916	13	10
Tax on Vehicles with Springs	80	8	0
Tax on Animals	29	4	0
Tax on Carts	...	...	...
License fees on Timber and Firewood ...	42,785	9	7
Miscellaneous	4,482	15	7
Total...	65,640	3	0

TABLE No. 5.

Statement of actual arrear balance under combined property taxes out standing at the close of the year 1914-15 inclusive of the amount covered by decrees.

Period.	Actual arrear balance outstanding on 31st March 1915 exclusive of the amount due by Government for Military buildings under appeal.			Amount covered by decrees.			Balance for Recovery.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1911-12 ...	20	14	9	...	...	...	20	14	9
1912-13 ...	128	12	10	...	...	...	128	12	10
1913-14 ...	1,102	15	6	27	11	0	1,075	4	6
Total ...	1,252	11	1	27	11	0	1,225	0	1

TABLE No. 6.

The following statement exhibits the result of the elections in 1914-15 to fill vacancies among Divisional Commissioners.

Division.	Date of Election.	Date when gazetted.	Name of candidate elected.
10	24-2-1915	2-3-1915	M.R.Ry. P. Parthasarathi Nayudu Garu
13	15-8-1914	25-8-1914	„ T. Rangachariar Avargal, B.A. B.L.
20	25-7-1914	4-8-1914	„ K. N. Ayya Ayyar Avargal, B.A. B.L.

FORM I.

Statement showing the constitution of the Corporation of Madras on 31st March 1915.

1	2	3	4	5	6								7
					Number of Members of Constitution.								
Name of District.	Serial No. of Municipality.	Name of Municipality.	Act under which constituted.	Population within the Municipal limits	(a) Ex-officio.	(b) Nominated.	(c) Elected.	(d) Total.	(e) Officials.	(f) Non-Officials.	(g) Europeans and Anglo-Indians	(h) Indians.	Remarks.
Madras.	1	Corporation of Madras.	The Madras City Municipal Act, 1904.	5,18,660	1	15	20	36	5	31	13	23	

Statement of Loans for 1914-15.

Amount of loan and rate of Interest.		For what purpose and terms on which obtained and the year in which taken.	Date of Government Sanction.	Amount paid			Amount transferred to Sinking Fund			Invested	
				Up to 31st March 1914.		In 1914-1915.	Up to 31st March 1914.		In 1914-1915.	In Government Securities, &c.	In Savings Bank.
				Number of years.	Amount.		Number of years.	Amount.			
1		2	3	4	5	6	7	8	9	10	11
								Rs.	Rs.	Rs.	Rs.	
‡ 14,30,000	4 p.c.	Waterworks Project—Repayable in 50 years by a Sinking Fund at 2 per cent. per annum. Taken in 1869—74.	No. 2327, dated 17th July 1869, P. W. D., and No. 1279, dated 11th September 1873, P. W. D. ...	...	...	...	43	12,91,000	29,600	13,20,600	...
3,00,000	5 p.c.	Construction of Drains and Sewers for the Drainage of George Town—Repayable in 30 years by a Sinking Fund of Rs. 5,860 per annum. Taken in 1883.	No. 363, dated 15th Feb. 1883, F.D.	...	293000	7000	...	...	...	...	...
18,000	5 p.c.	Do. do. Rs. 5,720 do. 1885.	No. 487, dated 9th March 1885, F.D. No. 11 M., dated 10th Apl. 1885, F.D. No. 458, dated 3rd Sept. 1885, F.D.	...	...	...	28	2,74,800	14,200	2,89,000	...
2,82,000	6 p.c.										
1,00,000	6 p.c.	Do do. 50 years Rs. 820 do. 1887.	No. 765 M., dated 11th August 1887, L. & M. ...	...	...	...	27	33,100	1,800	34,900	...
1,50,000	5 p.c.	Do. do. Rs. 1,200 do. do. 1888.	No. 852 M., dated 4th Aug. '88, L.&M.	...	...	...	26	46,200	2,700	48,900	...
1,50,000	5 p.c	Do. do. Rs. 1,200 do. do. 1889.	No. 1193M., dated 18th Sept. '89, L.&M.	...	...	..	25	44,400	2,500	46,900	...
20,000	5 p.c.	Extension of Water supply—Repayable in 50 years by a Sinking Fund of Rs. 170 per annum. Taken in 1889.	No. 1427 M, dated 25th October 1889, L. & M. ...	...	...	...	25	6,000	300	6,300	...
50,000	5 p.c	Construction of Drains and Sewers for the Drainage of George Town—Repayable in 50 years by a Sinking Fund of Rs. 400 per annum. Taken in 1890.	No. 1562 M, dated 18th October 1890	...	...	...	24	13,900	800	14,700	...
4,00,000	4 p.c.	Extension of Water-supply — Do. Rs. 3,050 per annum. Taken in 1895.	No. 16 M., Mis., dated 8th Jan.' 95.	...	..	...	19	82,700	5,700	88,400	...
1,00,000	4 p.c.	Construction of Market— Do. Rs. 750 do. Taken in 1897.	No. 883M., Mis., dated 13th April 97,	...	...	...	17	19,000	1,200	20,200	...
2,00,000	4 p.c.	To repay the Government loan of 1899—Repayable in 50 years by a Sinking Fund of Rs. 1,520 per annum. Taken in 1899.	No. 2215 M., Mis., dated 21st December 1898, ...	...	...	...	15	30,500	2,600	33,100	...
50,000	4 p.c.	For cleaning water pipes— Do. Rs. 380 do. do.	No. 1630 M., Mis., dated 19th Sep.' 98,	...	...	...	15	7,500	600	8,100	...
4,20,000	4 p.c.	For drainage works— Do. ,, 3,190 do. do.	No. 389 M., dated 17th March '99, L.&M.	...	...	...	15	63,400	5,000	68,400	...
1,50,000	4 p.c.	Construction of Market— Do. ,, 1,140 do. do.	No. 529 M., Mis., dated 24th April 1899, L. & M. ...	...	...	...	15	22,500	1,900	24,400	...
7,80,000	4 p.c.	For drainage works— Do. ,, 5,930 do. Taken in 1900.	No. 389 M., dated 17th March '99, L.&M.	...	...	...	14	1,08,200	9,100	1,17,300	...
1,50,000	4 p.c.	For cleaning water pipes — Do. ,, 1,140 do. do.	No. 1530 M., Mis., dated 16th October 1899, and No. 758, M., dated 2nd June 1900, L. & M. ...	...	...	...	14	20,500	1,600	22,100	...
1,00,000	4 p.c.	To meet Plague charges — Do. ,, 760 do. do.	No. 755 M., Mis., dated 1st June 1900 L. & M. ...,	...	...	...	14	13,800	1,000	14,800	...

1,20,000	4 p.c.	For substitution of C. I. pipes for a portion of Sewer No. II. Repayable in 50 years by a Sinking Fund of Rs. 910 per annum. Taken in 1901-02.	No. 1089 M., Mis., dated 30th July 1901, L. & M. ...	...	...	...	13	13,900	1,200	15,100	...
2,00,000	4 p.c.	For drainage works— Do. ,, 1,520 do. do. 1902.	No. 150 M., Mis., dated 10th February 1902, L. & M. ...	...	...	...	12	22,700	2,000	24,700	...
5,00,000	4 p.c.	Do. do. ,, 3,800 do. do. 1903.	No. 35 M., Mis., dated 21st January 1903 and No. 869 M., Mis., dated 25th June 1903. ...	..	...	...	11	51,200	5,200	56,400	...
‡ 7,00,000	4 p.c.	Do. Repayable in 30 years by sixty equal half-yearly instalments of Rs. 20,137 each. Taken in 1905.	No. 2496 M., dated 30th November 1905 ...	8	114400-7-5	17,019-11-8	...	...	...	...	...
1,00,000	4 p.c.	For special buildings. Repayable in 30 years by a Sinking Fund of Rs. 2,100 per annum. Taken in 1906-07.	No. 31 M., dated 10th January 1907.	...	...	...	7	16,900	2,300	19,200	...
‡ 4,00,000	4 p.c.	For improvement of Water-supply and drainage works. Repayable in 30 years by sixty equal half-yearly instalments of Rs. 11,507 each. Taken in 1908-09.	No. 1983 M., dated 10th November 1908 ...	5	38,433-8-5	8,642-14-8	...	...	...	...	...
‡ 4,00,000	4 p.c.	Do. do. Taken in 1909-10.	No. 1550 M., dated 16th September 1909 ...	4	30,126-3-5	8,307-4-10	...	...	...	...	...
4,25,000	4 p.c.	For special buildings. Repayable in 30 years by a Sinking Fund of Rs. 8,920 per annum. Taken in 1909-10.	No. 1289 M., dated 12th August 1909	...	...	...	5	41,000	9,200	50,200	...
1,00,000	4 p.c.	For Napier Bridge. Repayable in 30 years by a Sinking Fund of Rs. 2,100 per annum. Taken in 1909-10.	Do. do. do. do.	...	...	...	5	9,600	2,300	11,900	...
50,000	4 p.c.	For Napier Bridge. Repayable in 30 years by a Sinking Fund of Rs. 1,040 per annum.	Do. do. do. do.	...	...	...	3	3,200	1,000	4,200	...
3,00,000	4 p.c.	For special buildings. do. do. Rs. 6,300 per annum.	No. 2209 M., dated 14th December 1911 ...	...	...	...	2	13,100	6,100	19,200	...
‡ 1,00,000	4 p.c.	For improvement of Water-supply and Drainage. Repayable in 30 years by sixty equal half-yearly instalments of Rs. 2,876 each.	No. 2101 M,. dated 29th November 1911 ...	2	3,614-10-5	1,917-9-2	...	..	...	...	...
3,42,000	4 p.c.	For special buildings. Repayable in 30 years by a Sinking Fund of Rs. 7,180 per annum.	No. 1891 M., dated 15th August 1913 ...	...	...	...	...	...	6,500	6,500	...
2,00,000	4 p.c.	Do. do. Rs. 4,160 per annum.	No. 422 M., dated 2nd March 1914...	...	...	...	...	...	2,500	2,500	...
50 000	4 p.c.	For Electric Lights do. Rs. 1,040 per annum.	Do. do. do. do.	...	...	...	...	...	700	700	...
1,30,000	4 p.c.	Do. Rs. 2,700 per annum.	No. 2588 M., dated 26th December 1914. ...	...	...	...	...	...	...	...	...
1,70,000	4 p.c.	For special buildings do. Rs. 3,540 per annum.	Do. do. do. do.	...	...	...	...	...	...	...	...
91,37,000				...	479574-13-8	42,887-8-4	...	22,49,100	1,19,600 *	23,68,700	...

* Represents the value of securities purchased for the annual allotment shown in Statement II *plus* interest realized on previous investments on open market loans.

‡ Loans from Government.

DR. *General Fund*—[Vide *G. O. No.* 244, *dated* 13*th February* 1882.] CR.

	RS.	A.	P.		RS.	A.	P.
To Grant I.—Public Works ...	8,16,340	0	8	By Opening Balance ...	8,57,414	6	8
„ „ II.—Education ...	27,392	0	5	„ Municipal Rates and Taxes ...	12,48,728	15	7
„ „ III.—Sanitation and Medical Services ...	8,64,135	5	11	„ Revenue derived from Municipal property and powers apart from Taxation ...	3,77,779	2	9
„ „ IV.—Miscellaneous Municipal purposes ...	1,63,279	5	9	„ Grants and Contributions ...	5,15,350	0	0
„ „ V.—Supervision and Management ...	1,15,786	0	11	„ Miscellaneous ...	56,164	12	1
„ Repayment of Debt ...	34,930	0	0	„ Extraordinary and Debt ...	3,70,000	0	0
„ Interest on Loan ...	77,838	0	0	„ Advances Recovered ...	41,461	10	8
„ Advances recoverable ...	31,419	13	5	Transferred from Water and Drainage Fund Loan Account ...	...	..	...
„ Refund of other than Current Collections ...	43,395	10	8				
„ Discount on Loan ...	18,582	8	0				
„ Pensions and Gratuities ...	24,348	9	4				
„ Transfer to Water and Drainage Fund Revenue Account ...	18,713	5	5				
„ Closing Balance Revenue Account ...	10,11,526	7	0				
Do Loan Account ...	2,19,211	12	3				
Total ...	34,66,898	15	9	Total ...	34,66,898	15	9

DR. *Water and Drainage Fund*—[Vide *G. O., No.* 244, *dated* 18*th February* 1882.] CR.

	Rs.	A.	P.		Rs.	A.	P.
To Grant I.—Public Works—				By Opening Balance ...	9,13,220	8	3
New Works—				„ Municipal Rates and Taxes—			
Buildings ...	...	...	...	Water Tax on Buildings and Lands ...	6,02,463	11	9
Drainage ...	2,41,911	11	3	Water Tax on Lands ...	7,110	3	7
Water-supply ...	5,90,251	3	2	„ Tax on Vehicles, Animals and Cart	48,068	0	7
Repairs—				By Revenue derived from Municipal property and powers apart from taxation ...	1,47,720	8	8
Buildings ...	2,297	0	2				
Drainage—Repairs to Works, &c. ...	3,16,968	11	2				
Establishment ...	52,785	0	6				
Overtime ...	159	13	0				
Allowances ...	1,918	1	1				
				By Grants and Contributions—			
				From Government—			
Water-supply—Repairs to Works, &c. ...	65,318	3	6	Improvement of Water-supply and Drainage ...	5,00,000	0	0
Establishment ...	15,003	9	3	„ Miscellaneous—			
Allowances ...	1,102	10	0	Payment for Water for non-domestic purposes ...	1,46,585	11	11
Establishment—General ...	1,47,635	4	8	Sundry Receipts—Waterworks ...	4,500	0	0
Miscellaneous—W. W. Contingent ...	1,097	5	1	Workshop Receipts ...	6,935	11	6
„ Grant IV.—Mis. Municipal purposes—				„ Extraordinary and Debt—			
Other Charges—				Loan from Government ...	...	...	...
Payment for Red Hills Water.	24,374	0	0	Interest on Sinking Fund—			
Contribution to Provincial Funds ...	...	...	...	Waterworks Loan of 1869-73 ...	45,487	0	0
Stores ...	2,218	0	1	„ Advances Recovered ...	1,811	12	4
Workshops ...	6,670	9	11	„ Transfer from General Fund Revenue Account ...	18,713	5	5
„ Grant V.—Supervision and Management ...	66,277	14	10				
„ Repayment of Debt—							
Sinking Fund ...	93,917	8	4				
Interest ...	2,61,766	10	10				
Advances recoverable	34,004	10	6				
„ Refund of other than Current Collections ...	20,983	3	0				
Transferred to General Fund Revenue Account ...	...	...	...				
Closing Balance Loan Account...	4,95,955	7	8				
Total ...	24,42,616	10	0	Total ...	24,42,616	10	0

DR. *Lighting Fund*—[Vide *G. O. No.* 244, *dated* 18*th February* 1882.] CR.

To		RS.	A.	P.			RS.	A.	P.
	Grant I—				By	Opening Balance—			
	Establishment—General ...	1,980	8	5					
„	Grant IV—				„	Municipal Rates and Taxes— ...	—17,439	12	4
	Lighting—Establishment ...	1,112	12	10					
	Allowance ...	578	6	2		Lighting Tax on Buildings and Lands— ...	1,15,893	8	2
	Labor ...	5,469	11	7					
	Maintenance ...	70,921	11	8		Lighting Tax on Lands—	1,385	9	7
	Additional Lamps and Sundries ..	62,254	0	5	„	Miscellaneous—			
	Repairs to Lamps and Posts ...	3,040	3	10		Refund from expenditure of previous years ...	...	...	...
	Other charges—					Workshop Receipts ...	792	10	5
	Stores ...	253	7	9					
	Workshops ...	762	5	8		Extraordinary and debt ...	1,80,000	...	...
„	Grant V—								
	Salaries of Officers ...	1,391	7	0					
	Head Office ...	1,421	12	2					
	Assessment and Collection ...	4,772	12	0					
	Repayment of Debt—								
	Sinking Fund ...	780	0	0					
	Interest ...	1,000	0	0					
„	Refund of other than Current Collections ...	1,261	5	4					
„	Closing Balance (Revenue account).	36,949	12	8					
	Do, (Loan account) ...	86,681	10	4					
	Total ...	2,80,631	15	10		Total ...	2,80,631	15	10

Revenue and Capital Accounts for 1914-15 *as compared with the Revised Estimate for* 1914-15.

—	Revenue Account.		Capital Account.		Total.	
	Actuals, 1914-15.	Revised Estimate, 1914-15.	Actuals, 1914-15.	Revised Estimate, 1914-15.	Actuals, 1914-15.	Revised Estimate, 1914-15.
Receipts—						
Opening Balance	8,34,126	8,34,130	9,19,069	9,19,070	17,53,195	17,53,200
Municipal Rates and Taxes	20,23,650	20,46,660	...	...	20,23,650	20,46,660
Revenue derived from Municipal property and powers apart from Taxation ...	4,70,470	4,46,030	55,030	54,930	5,25,500	5,00,960
Grants and Contributions	5,15,350	5,15,350	5,00,000	5,00,000	10,15,350	10,15,350
Miscellaneous	2,14,979	1,96,230	...	...	2,14,979	1,96,230
Extraordinary and Debt	45,487	45,200	5,50,000	5,50,000	5,95,487	5,95,200
Advances Recovered	41,462	50,070	1,812	1,810	43,274	51,880
Transferred from Revenue Account ...	...	...	...	...	...	...
Total ...	41,45,524	41,33,670	20,25,911	20,25,810	61,71,435	61,59,480
Charges—						
Grant I—Public Works	11,26,404	14,10,780	11,28,365	12,37,780	22,54,769	26,48,560
II—Education	27,392	29,330	...	...	27,392	29,330
III—Sanitation and Medical Services	8,64,135	8,64,760	...	...	8,64,135	8,64,760
IV—Miscellaneous Municipal Purposes	2,79,243	3,02,970	61,692	1,30,000	3,40,935	4,32,970
V—Supervision and Management ...	1,89,650	1,92,040	...	...	1,89,650	1,92,040
Repayment of Debt	1,29,628	1,29,610	...	...	1,29,628	1,29,610
Interest on Loans	3,40,605	3,48,560	...	...	3,40,605	3,48,560
Advances Recoverable...	31,420	5,100	34,005	11,500	65,425	16,600
Refund of other than Current Collections...	65,640	60,000	...	...	65,640	60,000
Discount	18,582	18,590	...	...	18,582	18,590
Pensions and Gratuities	24,349	23,990	...	...	24,349	23,990
Transferred to Capital Account ...	...	..	...	...	...	...
Closing Balance	10,48,476	7,47,940	8,01,849	6,46,530	18,50,325	13,94,470
Total ...	41,45,524	41,33,670	20,25,911	20,25,810	61,71,435	61,59,480

Statement showing the expenditure incurred by the Corporation of Madras during the year 1914-15 from the special grants received from Provincial Funds.

Opening balance.	No. and date of Government order sanctioning the grant for the year.	Purpose for which the grant was made.	Amount of grant received during the year.	Actual expenditure during the year out of the grants shown in col. 4.	Balance of grant at the close of the year (col. 4 *minus* col. 5.)	Expenditure incurred during the year out of the balance of grants sanctioned in previous years shown in col. 1.	Balance of such grants remaining unutilized at the close of the year (col. 1 *minus* col 7).	Closing balance (col. 6. *plus* col. 8).	Remakrs.
1	2	3	4	5	6	7	8	9	10
Rs.			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
4,383	G. O. No. 876-M. Mis., dated 2nd May 1914.	For Malaria investigation ...	3,00,000	2,23,413	76,587	4,383	...	76,587	
6,814	G. O. No. 841-M. Mis., dated 24th March 1913	For construction of bear pits and aviary in Peoples' Park ...	...	...	...	1,843	4,971	4,971	
1,73,000	G.O. No. 1520-M Mis., dated 6th Aug. 1913.	For Sanitary Works ...	...	...	...	1,53,712	19,288	19,288	
*8,40,075	G. O. No. 875-M. Mis., dated 2nd May 1914.	For improvement of Water-supply and Drainage ...	5,00,000	1,32,220	3,67,780	8,40,075	...	3,67,780	
...	G.O. No. 1045-M Mis., dated 27th May 1914.	For acquisition of lands for Sewage Farm ...	1,25,000	...	1,25,000	...	...	1,25,000	
...	Do.	For construction of model cow-houses ..	50,000	...	50,000	...	...	50,000	

* The difference of Rs. 510 is due to the recovery of the advances omitted to be shown as an abatement of the expenditure in the previous report.

Statement showing the expenditure on works in charge of the Special Engineer for the last seven years since his Department was created.

Particulars.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Water-supply:—New Works ...	94,108	2,06,778	3,47,217	4,81,338	6,63,591	17,28,367	6,36,480	41,57,879
Drainage :— „ ...	67,240	86,216	4,18,032	5,37,049	4,69,810	3,20,136	3,03,622	22,02,105
Drainage — Pumping Stations ...	...	86,324	1,14,889	1,21,774	1,42,912	1,46,546	1,85,870	7,98,315
Maintenance — Sewer cleaning ...	...	15,303	21,344	14,385	18,270	...	...	69,302
Water-supply :—Repairs, Kilpauk Pumping Station ...	...	...	...	...	...	...	20,812	20,812
Works executed and the cost charged to Revenue account ...	...	7,930	9,863	8,864	1,373	13,380	6,152	47,562
Private work executed ...	...	455	1,013	729	1,354	23,298	72,337	99,186
Total Rs. ...	1,61,348	4,03,006	9,12,358	11,64,139	12,97,310	22,31,727	12,25,273	73,95,161

APPENDIX II.—TABLE No. 1-A.

SPECIAL WORKS DEPARTMENT.

Expenditure under Capital Account.

Particulars.	Amount from 1-4-1908 to 31-3-15.			Amount for 1914-15.		
	Rs.	A.	P.	Rs.	A.	P.
Drainage Section.						
New Drainage Works "Special Establishment—	20,92,508	3	1	2,92,369	15	0
General Branch	1,11,780	10	9	17,749	8	2
Design and Construction	2,45,787	7	9	51,358	11	4
Famine Allowance	1,671	11	2	248	11	3
Conveyance Allowance	8,497	12	4	3,210	14	6
Charge Allowance	781	11	1	...	...	...
Sewer No. II	568	1	9	...	...	...
George Town Drainage	889	0	0	...	...	...
Miscellaneous	1,16,398	1	7	20,155	5	2
Total for Drainage Works ...	25,78,882	11	6	3,85,093	1	5
Sales of Stores ...	Cr. 3,76,778	8	0	Cr. 81,470	13	11
Net Expenditure ...	22,02,104	3	6	3,03,622	3	6
Waterworks Section.						
New Water-supply Works "Special" ...	26,83,418	5	7	3,35,117	11	3
Establishment—						
General Branch	1,11,770	6	1	17,734	5	0
Construction	1,43,147	12	8	15,754	7	4
Famine Allowance	1,488	6	0	116	7	4
Travelling Allowances to Officers	3,593	2	2	366	7	6
Charge Allowance	682	15	9	...	...	...
Miscellaneous	49,733	1	9	6,854	6	5
Distribution Scheme—						
Establishment	42,054	11	0	22,553	5	3
Famine Allowance	63	14	5	63	14	5
Conveyance Allowance	1,556	9	4	1,070	7	7
Works, &c.	16,49,873	8	7	3,28,294	12	4
Total for Water-supply ...	46,87,382	13	4	7,27,926	4	5
Sales of Stores ...	Cr. 5,29,503	9	11	Cr. 91,446	5	1
Net Expenditure ...	41,57,879	3	5	6,36,479	15	4
Summary of Expenditure.						
Drainage Works	25,78,882	11	6	3,85,093	1	5
Waterworks	46,87,382	13	4	7,27,926	4	5
Total ...	72,66,265	8	10	11,13,019	5	10
Deduct Sales of Stores ...	9,06,282	1	11	1,72,917	3	0
Net Expenditure ...	63,59,983	6	11	9,40,102	2	10

SPECIAL WORKS DEPARTMENT, DRAINAGE SECTION.

Statement showing details of petty works carried out from 1st April 1914 to 31st March 1915.

Note.—These do not include Tondiarpet and other Main Drainage Works.

		Feet.
I.	Lengths of Pipes laid—	
	4″ Stoneware Pipes for house connections	232
	6″ Do. do. for sewers	748
	9″ Do. do. do.	236
		No.
II.	Houses connected to sewers	44
III.	Manholes constructed	9
IV.	Miscellaneous—	
	Siphon cisterns built	44
	Silt catcher cisterns built	44

APPENDIX II.—TABLE No. 3.

SPECIAL WORKS DEPARTMENT—DISTRIBUTION SCHEME.

Contract M. and M. No. 16 (Balmer Lawrie & Co.)

Delivery of C. I. Pipes to 31st March 1915.

Diameter of pipes in inches.	Length of pipes in contract in feet.	Pipes in feet delivered up to 31-3-15.	Length of cut pipes rejected in feet.	Accepted pipes in feet.
42″	13,632	13,632	27	13,605
36″	5,008	5,008	15	4,993
33″	1,624	1,624	9	1,615
30″	14,616	14,616	36	14,580
27″	1,956	1,956	22	1,934
24″	828	828	15	813
20″	5,652	5,652	62	5,590
18″	5,280	5,280	93	5,187
16″	3,216	3,216	69	3,147
14″	1,320	1,320	6	1,314
12″	4,848	4,848	13	4,835
10″	2,556	2,556	2	2,554
9″	279	279	...	279
8″	261	261	...	261
7″	3,879	3,879	12	3,867
6″	8,667	8,667	13	8,654
5″	8,550	8,550	19	8,531
4″	57,996	57,996	46	57,950
3″	207	207	1	206
2½″	135	135	...	135
2″	324	324	...	324
Total length in lineal feet	140,834	1,40,834	460	1,40,374

SPECIAL WORKS DEPARTMENT—DISTRIBUTION SCHEME.

C. I. Pipes laid up to 31*st March*, 1915.

Diameter of Pipes.	Contract No. 10—Main No. 1. (M. Bashyam Naidu.)			*Contract No. 11—Main No. 7. (N. Moonooswami Mudaly.)	
	Length in Contract.	Total laid to 31st March 1915.	Balance to be laid.	Length in Contract.	Total laid to 31st March 1915.
42"	13,738	13,079	659	...	...
36"	4,935	4,661	274	...	...
33"	1,648	1,821	...	...	...
30"	1,698	1,551	147	13,006	13,073
27"	1,962	2,126	...	...	...
24"	735	852	...	...	...
20"	1,382	1,355	27	4,277	4,300
18"	2,225	2,323	...	2,532	3,020
16"	...	...	...	2,966	2,983
14"	1,040	1,112	...	...	...
12"	1,673	1,786	...	2,865	2,933
10"	1,614	1,604	10	404	489
9"	...	113	...	...	...
8"	...	...	...	...	...
7"	688	743	...	...	...
6"	2,092	2,110	...	...	...
5"	...	...	...	...	...
4"	.....	...	...	...	...
Total length in lineal feet	35,430	35,236	1,117	26,050	26,798
Value of Work, Rs. ...	1,22,389	1,20,000	2,392	70,399	60,288

* NOTE.—Contract II. The excess in total lengths laid, as compared with the lengths in the contract, is due to alteration in design, longer length of inter-connection, &c. Savings have been effected as shown below :—

	Rs.
General items such as timber to be left in trenches	8,420
Contingencies	4,000
	12,420
Deduct excess expenditure due to revised lengths ...	2,309
Total Savings over excess of expenditure	10,111
„ Value of tender ... Rs. 70,399	
„ „ work executed ... „ 60,288	
Net savings	10,111

SPECIAL WORKS DEPARTMENT—DRAINAGE SECTION.

Tondiarpet Drainage.

Sewer Laying during the year 1914-15.

	Lineal feet of Sewer Laid.					Total length in lineal feet.	No. of man-holes built.	Value of work excluding pipes.
	6″ dia.	9″ dia.	12″ dia.	15″ dia.	18″ dia.			
								Rs.
Contract No. 1. (Mr. C. White).								
Work done up to 31st March 1915.	...	1,932	...	...	...	1,932	4	3,257
Contract Nos. 2 and 4 (Mr. M. Bashiam Naidu).								
Work done up to 31st March 1915.	25,589	20,816	6,633	2,685	1,405	57,133	358	1,18,936
Contract Nos. 3 and 5 (Mr. T. Manavala Chetty).								
Work done up to 31st March 1915.	26,678	23,074	3,527	2,932	2,471	58,682	264	1,07,698
Departmental Work.								
Work done up to 31st March 1915.	4,572	1,623	1,550	667	195	8,607	56	17,500
Total Work done up to 31st March 1915.	56,839	47,445	11,715	6,284	4,071	1,26,354	682	2,47,391
Add value of pipes laid			...	...	...			1,26,128
Total value of sewers laid up to 31st March 1915			...	...	...			3,73,519

SPECIAL WORKS DEPARTMENT, WATER WORKS SECTION.

Statement of Contracts awarded in connection with the New Water-supply.

Contract No.	Description of works.	Amount of Estimate.	Name of Contractor.	Amount of Contract.	Value of work executed up to 31st March 15.	Amount of Security lodged.	Date of order to Commence.	Date of Completion.	Remarks.
		Rs. A. P.		Rs. A. P.	Rs. A. P.	Rs. A. P.	D. M. Y.	D. M. Y.	
			Construction.						
1	Two blocks of Driver's quarters with subsidiary works at Kilpauk ...	9,500 0 0	M. Bashiam Naidu ...	7,958 6 3	8,002 11 3	500 0 0	25 2 08	21 9 08	
2	About 11,536 lineal feet of conduit and accessory works	1,20,939 2 0	V. Devasigamani Pillay.	1,21,190 15 2	45,284 13 0	2,500 0 0	21 10 08	... ...	Cancelled *vide* G. O., No. 340 M. Mis., dated 1-3-11.
2-A	About 7,000 lineal feet of conduit and accessory works	1,02,570 2 7	A. Subramania Iyer ...	1,05,052 2 7	1,04,487 9 1	3,000 0 0	22 4 11	23 4 13	
3	About 12,206 lineal feet of conduit and accessory works	1,32,002 12 0	A. Chockalinga Naicker.	1,30,807 9 0	... ...	2,500 0 0	21 16 08	... ...	Cancelled *vide* G.O., No. 511 M. Mis., dated 30-3-1910.
3-A	About 9,660 lineal feet of conduit and accessory works	1,61,100 0 0	A. Sankarasah ...	1,56,481 5 3	1,81,231 12 6	5,000 0 0	1 7 10	28 4 13	
4	Settling Basin, 13,177 lineal feet of conduit and accessory works ...	2,70,236 0 0	A Subramania Iyer ...	2,84,811 13 2	2,77,479 6 7	5,000 0 0	22 1 09	15 10 13	
5	Filter beds, Filtered Water Reservoirs and accessory works ...	7,28,113 7 0	A. Subramania Iyer ...	7,12,359 14 1	5,43,616 0 5	30,000 0 0	6 1 10		
6	Laying and joining about 2,400 ft. of 48" Steel Pipes	13,512 12 3	M. Bashiam Naidu ...	13,512 8 0	10,706 3 1	500 0 0	1 6 12		
7	Pumping Station, Kilpauk	1,71,045 0 0	Messrs Bashiam Naidu and A.S. Krishnasawmi Iyer ...	1,72,709 2 11	1,34,351 6 11	3,000 0 0	7 10 12		
8	Steel Foot Bridge at Red Hills ...	2,182 0 0	Messrs. Oakes & Co. ...	3,601 0 0	3,351 0 0	250 0 0	13 12 12	22 3 14	
9	Steel Girders for Pumping Station, Kilpauk...	20,000 0 0	Messrs. Oakes & Co. ...	8,330 0 0	7,830 0 0	500 0 0	22 1 13	12 6 13	
10	Laying Main No. 1.	1,23,450 0 0	M. Bashiam Naidu ...	1,22,388 14 9	1,13,762 11 3	2,000 0 0	30 6 13		
11	,, ,, No. 7.	71,610 0 0	N. Munusawmy Mudr.	70,399 3 11	60,288 2 6	2,000 0 0	12 6 13	31 3 15	
12	Compound wall for the new water works, Kilpauk	23,000 0 0	A. S. Krishnasawmi Iyer	24,800 12 0	14 035 11 5	1,000 0 0	6 10 13		
			Materials & Machinery						
M. M No. 1	Steel Pipes and accessories ...	1,75,600 0 0	Messrs. Thomas Pigott & Co. ...	80,745 0 0	81,170 13 5	7,500 0 0	22 10 08	21 7 09	
,, 2	Portland Cement English ...	93,000 0 0	The South Indian Export Co., Ltd. Agents of Messrs. Wm. Lee Son & Co., London.	87,750 0 0	84,093 12 0	4,000 0 0	4 2 09	29 8 11	
,, 4	Iron works for settling Basin ...	6,819 2 11	Messrs. F. Bird & Co, London	6,795 0 0	6,763 0 0	... ...	22 10 09	31 3 10	
,, 7	Do do for Filter beds	... ...	Messrs. Cochrane & Co., Ltd.	1,600 0 0	1,587 7 2	... ...	3 2 10	29 11 10	
,, 8	Do do for Filter beds and clear water reservoirs	48,803 0 0	Messrs. Glenfield & Kennedy	45,516 0 0	44,011 0 0	... ...	24 5 10	18 5 12	
,, 9	Steam Engines, Pumps, Boilers, &c. ...	4,00,000 0 0	Messrs. Simpson & Co.	3,90,695 0 0	3,82,712 3 7	10,000 0 0	3 11 10		
,, 10	Elevated Tank	1,91,500 0 0	The South India Industrials, Ltd.	1,82,201 0 0	1,72,201 0 0	10,000 0 0	19 6 13		
,, 11	Portland Cement English	1,10,625 0 0	Messrs. M. M. Jeevajee & Co.	1,10,625 0 0	1,10,625 0 0	4,000 0 0	19 9 10	17 2 12	
,, 13	Do	1,51,250 0 0	Messrs. Hajee Ismail Sait & Sons. ...	1,51,250 0 0	1,38,945 13 0	5,000 0 0	11 4 12	21 7 13	
,, 16	Cast Iron Pipes, Specials &c. ...	12,82,161 0 0	Messrs Balmer and Lawrie & Co. ...	13,53,517 5 2	13,26,155 11 11	10,000 0 0	3 2 13	8 10 14	
,, 20	Cement	28,000 0 0	The South India Industrials, Ltd.	28,000 0 0	27,771 4 0	1,000 0 0	6 10 13	23 5 14	
,, 22	Cast Iron Pipes, Specials etc ...	... ...	...	... ...	... ...	... ...	... ...	... ...	
,, 22-A	Do	... ...	...	... ...	... ...	... ...	... ...	... ...	
,, 25	Venturi meters, waste detection meters, Special Castings, &c. ...	... ...	...	... ...	... ...	... ...	... ...	... ...	
			Miscellaneous.						
	Landing, Clearing, Carting, &c., of Steel Pipes	... ...	A. Chockalinga Naicker	1,962 10 1	2,018 7 0	200 0 0	36 1 09	23 11 09	
	Iron works for conduit	3,126 0 0	Messrs. Ham Baker & Co. ...	2,632 14 0	2,614 10 1	... ...	17 6 08	31 3 10	
	Stores Shed No. 1	1,500 0 0	Messrs. Massey & Co. & M. Bashiam Naidu. ...	1,375 0 0	1,346 6 0	... ...	5 1 09	5 4 09	
	Cement Shed No. 2	1,500 0 0	Messrs. Massey & Co. & A. Subramania Iyer ...	1,389 2 0	1,485 14 2	... ...	4 3 08	11 1 09	
	Stores Shed No. 3	1,600 0 0	Messrs. A. S. Krishnasawmi Iyer and Massey & Co.	1,653 10 1	1,748 12 6	... ...	6 12 12	31 3 13	
			Piece Works.						
1	Construction of Suction Culvert ..	3,855 11 8	Department ...	... ...	3,352 12 11	... ...	4 9 11	30 4 12	
2	Construction of Suction Culvert, Engine House	6,852 2 2	A. Subramania Iyer ...	5,958 6 0	5,958 6 0	... ...	2 4 12	22 11 12	
3	Foundations of buildings & Engines at Pumping station, Kilpauk ...	19,037 10 2	A. Subramania Iyer ...	16,554 7 5	16,554 7 5	... ...	2 4 12	31 3 14	
4	48" Steel Pipe connection between Suction Culvert and the Fresh Water Tank	4,031 0 7	A. Subramani Aiyer ...	3,505 4 0	3,505 4 0	... ...	7 12 8	4 13	
5	Store Shed at People's Park ...	1,680 0 0	Subbiah & Massey & Co.	1,574 7 5	1,574 7 5	... ...	17 6 13	5 7 13	
6	Do at Ray pattah High Road & Cathedral Road	1,680 0 0	W. K. Seshadri Iyengar & Massey & Co. ...	1,657 1 0	1,657 1 0	... ...	12 6 13	18 8 13	
7	For Connection at Kilpauk Shaft (Masonry Shaft)	... ...	... ...	... ...	... ...	... ...	... ...	... ...	Cancelled.
8	For Connection at Kilpauk Shaft (valve house)	... ...	.....	... ...	... ...	... ...	... ...	... ...	
9	Cast iron pipe laying North Range ...	28,728 11 4	M. Shaik Dawood Saib....	24,981 7 9	24,981 7 9	250	4 2 14	... ...	
10	Do. Centre Range ...	12,178 10 1	N. Munusawmy Mdr., ...	10,590 1 10	10,590 1 10	250	4 2 14	.. ..	
11	Do. South Range ...	22,062 3 6	Munusawmi Mudaliar.	19,184 8 7	19,184 8 7	250	4 2 14	... .	
12	Connection at Kilpauk Shaft laying and jointing pipes	2,064 7 1	Do.	1,795 2 8	1,795 2 8	... ...	21 1 14	7 12 14	
13	Do. excavating special trenches...	1,917 14 10	Do.	1,667 12 2	1,667 12 2	... ...	21 1 14	7 12 14	
14	Do. construction of 36 in. valve house, &c., ...	2,391 8 4	Do.	2,079 9 4	2,079 9 4	... ...	21 1 14	7 12 14	
			Materials.						
1	Dressed granite bed stones for Kilpauk Pumping Station	1,500 0 0	A. S. Krishnaswmi Iyer.	1,980 10 0	1,066 7 6	250 0 0	10 1 12	1 8 13	
2	Bricks for New Water Works Pumping Station and Elevated Tank at Kilpauk	39,791 12 0	T. Sawminatha Pillay ...	39,791 12 0	39,791 12 0	2,000 0 0	7 2 12	18 2 13	
3	Portable Pumping Plant for Kilpauk ...	4,000 0 0	Messrs Oakes & Co. ...	3,270 0 0	3 270 0 0	... ...	8 11 11	16 12 11	
4	Pig lead	3,306 4 0	M. Krishnamacharry ...	3,306 4 0	3,306 4 0	200 0 0	4 6 12	8 7 12	
5	(*a*) Pig lead	95,700 0 0	Messrs. Abdool Hussain Jeevajee & Co.	23,625 0 0	23,624 15 10	500 0 0	13 6 13	9 10 14	
	(*b*) Do.		,, Shaik Mahomedally & Sons .	23,625 0 0	23,625 0 0	500 0 0	13 6 13	3 6 14	
	(*c*) Lead wool		,, Chas Parsons & Co. ...	4,500 0 0	4,500 0 0	300 0 0	13 6 13	11 8 13	
	(*d*) Tarred yarn		,, Oakes & Co. ...	5,625 0 0	5,625 0 0	300 0 0	26 6 13	31 3 14	
6	Pipe laying accessories	18,400 0 0	,, Oakes & Co. ...	11,366 8 0	11,189 4 0	250 0 0	24 6 13	29 10 14	
7	Supply of bricks	7,450 0 0	T. Sawminatha Pillay ...	7,450 0 0	7,450 0 0	500 0 0	29 6 13	22 12 13	
8	Do Galvanized iron pipes & fittings.	40,000 0 0	Messrs. Oakes & Co. ...	27,048 11 8	... . .	100 0 0	... ...	... ...	
9	Do. Sand	... ...	P. Cundaswmi Chetty .	... ...	... ...	500 0 0	... ...	... ...	
10	Do. Broken stone (¾ in & ¾ in gauge.)	... ...	Do.	... ...	... ...	500 0 0	... ...	... ...	
	Total ...	47,61,373 6 6		46,23,228 6 3	41,05,928 7 3	1,16,100 0 0			
	Deduct Materials for Construction work	*6,00,000 0 0		*6,00,000 0 0	*4,00,000 0 0				
	Net Total ...	41,61,373 6 6		40,23,228 6 3	37,05,928 7 3				

* These figures are only approximate.

SPECIAL WORKS DEPARTMENT, DRAINAGE SECTION.

Statement of Contracts awarded in connection with Special Drainage.

Contract No.	Description of works.	Amount of Estimate.			Name of Contractor.	Amount of Contract.			Value of work executed up to 31st March 1915.			Amount of Security lodged.			Date of order to Commence.			Date of Completion.		
		Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	D.	M.	Y.	D.	M.	Y.
					Construction.															
1	Open channel at Tondiarpet grass Farm	63,232	11	9	W.K. Sreenivasa Iyengar	73,330	11	5	67,026	2	5	3,000	0	0	17	4	11	8	1	12
2	Engine and Boiler Houses, Stores, Office and Tools rooms for the Law College Pumping Station. ...	16,817	14	10	A. Subramania Aiyar ...	18,477	12	0	18,008	8	2	1,000	0	0	17	4	11	0	12	11
3	5 feet 6 inches and 4 feet 6 inches Sewer and all appurtenances in Tondiarpet	81,791	0	0	Messrs. W. K. Sreenivasa Iyengar and W. K. Seshadri Iyengar ...	71,671	9	11	72,694	2	2	3,000	0	0	25	9	11	24	4	14
4	2 feet 10 inches diameter Sewer in Tondiarpet	6,360	0	0	W. K. Seshadri Iyengar.	5,180	6	0	4,114	7	4	530	0	0	17	1	12	21	12	12
5	Lifting and relaying existing 36 inches and 30 inches cast iron pipes in Suriyanarayana Chetty Street ...	16,889	0	0	Department ...	15,160	3	9	15,160	3	9	...	...	...	17	1	12	11	11	12
6	Over-flow from grass Farm Pumping Station, Tondiarpet	24,209	0	0	Messrs. W. K. Sreenivasa Iyengar and W. K. Seshadri Iyengar...	13,491	0	0	10,375	13	9	1,000	0	0	26	8	12	27	6	14
7	A, B and C Pumping Stations, Tondiarpet	33,760	0	0	Messrs. A. Narasa Iyer and A. Venkatarami Iyer ...	32,335	1	10	29,323	15	2	1,000	0	0	18	11	12	23	1	14
					Materials & Machinery															
M.M. No.3	Sewage Pumping Machinery. ...	3,29,930	0	0	Messrs. James Simpson & Co. ...	2,67, 42	15	0	2,46,838	8	8	10,000	0	0	23	6	10	27	1	13
6	Stoneware pipes, &c., English. ...	2,17,680	0	0	Messrs. Thomas Wragg & Sons, Ltd. ...	2,23,728	0	0	2,13,738	3	1	7,000	0	0	8	9	10	19	11	12
6	Venturi Meter, Pump Pressure and Sewage Level Recorders, cast iron pipes, &c.	41,210	0	0	Messrs. James Simpson & Co. ...	42,362	1	0	41,180	10	6	5,000	0	0	8	12	10	29	8	12
12	36 inch cast iron pipes, &c. ...	14,090	0	0	Messrs. M. M. Jeevajee & Co.	15,282	2	4	14,363	0	11	700	0	0	26	7	11	6	10	11
14	Pumping Machinery for Stations A, B and C, Tondiarpet	1,37,304	0	0	The Campbell Gas Engine Co., Ltd. ...	96,410	0	0	85,872	2	6	3,900	0	0	17	12	12	8	10	14
15	Pumping Machinery for sewage Farm Pumping Station	1,95,700	0	0	Messrs. Burn and Co.	1,05,015	0	0	...	...	...	6,000	0	0	...	...	...	...	...	...
17	4-5 ft 6" Dia C. I. Penstocks ...	6,000	0	0	„ Turner Hoare and Co ...	7,124	0	0	7,124	0	0	600	0	0	4	2	13	6	9	13
18	English Stoneware Pipes and Specials	8,08,000	0	0	Richardson and Cruddas	8,64,145	7	10	47,707	2	10	10,000	0	0						
19	Portable pumping plant	25,000	0	0	(1) Messrs. Worthington Pump Co., Ltd. ...	5,780	0	0	6,780	0	0	200	0	0				18	2	14
					(2) Marshall & Sons Ltd.	5,300	0	0	5,527	12	0	200	0	0				25	11	13
					(3) Best & Co., Ld. ...	3,950	0	0	3,950	0	0	200	0	0				8	12	13
21	Cast Iron Manhole covers	30,000	0	0	Messrs. Oakes & Co. ...	30,000	0	0	...	...	...	1,000	0	0						
23	Steel sheet piling and accessories ...	9,960	0	0	Messrs. Richardson & Cruddas The South Indian Industrials ...	2,840 8,094	0 0	0 0	2,840 8,086	0 8	0 0	250 250	0 0	0 0				17 23	9 6	14 14
24	Sewage Pumping Plant for Pycroft's Road Pumping Station ...	...	...	...	Messrs. Siemens Bros Dinamo Works, Ld. ...	4,288	0	0	...	...	...	500	0	0	20	4	15	...	...	...
24-A	Supply and erection of an overhead Electric Power Line for Pycroft's Road Pumping Station ...	...	...	...	Messrs. Pappu Bros. ...	1,526	0	0	...	...	...	250	0	0	22	3	15	...	...	...
26	Steel sheet piling and accessories ...	...	...	...	The South Indian Export Co., Ld. ...	35,177	14	5	...	...	...	250	0	0	...	...	...	...	...	...
27	Supply of 26 laks of Table moulded bricks	...	...	...	T. Saminatha Pillay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
					Piece Works.															
1	Sewer laying in Toadiarpet ...	3,968	3	6	Mr. C. White ...	3,450	9	11	3,450	9	11	500	0	0	29	6	11	31	8	11
2	Do ...	58,891	11	6	M. Bashiam Naidu ...	51,210		0	51,210	3	0	600	0	0	3	6	11	17	5	12
3	Do ...	85,340	16	7	T. Manavala Chetty ...	74,209	8	8	74,209	8	8	590	0	0	5	5	11			
4	Do ...	79,568	7	6	M. Bashiam Naidu ...	69,189	15	7	69,189	16	7	500	0	0	2	2	12	23	12	14
5	Do ...	41,476	13	9	T. Manavala Chetty ...	36,066	12	9	36,066	12	9	500	0	0	6	2	12	22	3	14
6	Well sinking at Pumping Station "A."	5,955	4	5	M. Bashiam Naidu ...	5,178	8	0	5,178	8	0	500	0	0	27	1	12	9	7	13
7	Do do "C."	5,383	10	9	M. Vdavandrasawmy Pillay ...	4,681	7	3	4,681	7	3	500	0	0	10	2	12	8	7	13
8	Constructing Compound Wall at "A." Pumping Station	1,154	14	0	M. Bashiam Naidu ...	1,012	14	11	1,012	14	11	...	...	...	16	2	12	20	9	13
9	Do do "C." Station...	1,223	10	7	M. Valavandrasawmy Pillay	1,064	0	10	1,064	0	10	...	...	...	15	2	12	8	7	13
10	Do do "B." Station...	1,509	11	10	M. Bashiam Naidu ...	1,312	13	1	1,312	13	1	...	...	...	5	10	11	23	3	12
11	Excavation work for sewer laying in Tondiarpet	2,298	10	6	T. C. Subramania Maistry.	1,998	13	4	1,998	13	4	...	...	...	4	9	11	12	4	12
12	Excavation work for sinking wells at "B." Pumping Station	343	6	8	Do ...	298	10	0	298	10	0	...	...	...	19	8	11	11	10	11
	Sinking well at "B." Pumping Station.	12,639	15	4	Department ...	10,904	4	8	10,904	4	8	...	...	...	7	8	11			
13	Laying 30" Pumping Main in Mannarsawmi Coil Street	8,608	12	1	M. Bashiam Naidu ...	7,485	14	0	7,485	14	0	...	...	...	8	7	12	9	12	12
14	Sinking brick well for Pumping Station S. F.	2,829	6	7	M. Bashiam Naidu ...	2,460	5	9	2,460	6	9	600	0	0	31	8	12	21	1	14
16	Emergency over-flow from "C" Pumping Station	1,131	12	4	T. Manavala Chetty ...	984	2	5	984	2	5	100	0	0	16	8	12	13	5	12
16	Brick foundation for 'A' Pumping Station	2,490	9	8	M. Bashiam Naidu ...	2,165	11	11	2,165	11	11	100	0	0	6	11	12	16	1	13
	"B" Pumping Station	3,914	14	0	M. Valavandrasawmy Pillay ...	3,404	3	10	3,404	3	10	100	0	0	27	8	12	4	2	13
	"C" Do do	2,235	9	1	T. Manavala Chetty ...	1,943	15	7	1,943	15	7	100	0	0	29	10	12	29	1	13
17	For lifting the existing 24" C. I. main	4,901	7	1	M. Bashiam Naidu ...	4,262	2	0	4,262	2	0	...	...	...	18	12	12	18	10	13
18	30" C.I. main (Temporary connection) from 36" main to 24" main ...	1,233	7	5	Do ...	1,072	9	3	1,072	9	3	...	...	...	28	10	12	18	12	12
19	Laying 24" C. I. Sewer from Tiruvotiyar High Road to 'D' Pumping Station	17,889	7	11	Do ...	15,536	1	4	16,536	1	4	...	...	...	...	...	...	27	5	14
20	Well sinking in Tondiarpet Grass Farm Pumping Station	7,847	11	0	Do ...	5,824	1	2	5,824	1	2	600	0	0	...	...	...	21	2	14
21	Construction of brick ventilating columns on 4 ft. 6 in. and 6 ft. 6 in., brick sewer in Suriyanarayana Chetty Street	804	14	0	W. K. Seshadri Iyengar.	699	14	3	699	14	3	...	...	...	...	...	...	...	...	...
	Materials.				**Toudiarpet.**															
1	Cast Iron Manhole and Lamphole covers	7,823	2	10	Municipal Workshop ...	6,615	8	0	6,392	14	10	300	0	0	22	7	11	...	...	...
2	English Portland cement	7,375	0	0	Messrs. M. M. Jeevajee & Co.	7,375	0	0	7,375	0	0	300	0	0	7	8	11	19	10	11
3	Timber	4,690	0	0	Do ...	3,862	1	0	3,636	0	5	...	...	...	26	8	10	15	11	10
4	Well, &c, bricks.	9,496	0	0	M. Bashiam Naidu ...	10,853	7	0	4,337	9	2	100	0	0	3	3	11	23	1	12
5	Wrought Iron Ventilating columns with cast iron bases, &c.	11,250	0	0	Messrs. Burn & Co. ...	8,248	7	0	7,898	7	0	400	0	0	24	5	12	4	11	13
6	Cast Iron Manhole covers and foot Irons	6,000	0	0	Messrs. Oakes & Co., & Municipal Workshop..	3,525	0	0	1,125	0	0	300	0	0	3	9	12	17	12	12
7	Country bricks for Grass Farm Pumping Station	3,168	12	0	W. K. Seshadri Iyengar.	3,168	12	0	3,168	12	0	150	0	0	22	8	12	13	12	12
8	Pressed bricks for Grass Farm Pumping Station	11,023	3	2	T. Saminatha Pillai ...	11,023	3	2	11,022	3	2	400	0	0	29	8	12	6	11	12
9	Steel Beams and stanchions for 'A' 'B' and 'C' Pumping Stations, Tondiarpet	3,187	0	0	Messrs. Richardson and Cruddas ...	2,946	0	0	2,945	0	0	...	...	...	23	11	12	10	1	13
10	Silt Catcher Buckets	8,000	0	0	C. Govindu Chetty ...	6,125	0	0	6,125	0	0	300	0	0	...	...	...	15	12	13
					Miscellaneous.															
1	Cement pipes for Grass Farm ...	16,765	12	6	The South India Industrials, Ld.	16,765	12	5	13,857	8	0	...	...	...	17	12	09	20	1	10
2	Accessories for Kalyani Hospital Drainage	2,221	10	7	J. E. Minnitt, Ld. ...	1,348	4	0	1,312	12	0	...	...	...	22	10	09	5	2	10
3	Ferro-concrete beams for Kelly's drain.	4,429	9	7	The Indian Siegwart Beam Co., Ld. ...	4,429	9	7	4,389	13	2	...	...	...	17	12	09	14	3	10
4	75,004 feet of 9 inches Stoneware Pipes for Sewage Farm	5,859	6	0	Messrs. Walker & Co....	5,859	6	0	5,376	15	3	...	...	...	18	12	09	18	2	10
6	Construction of the Kelly's drain new out fall	9,200	0	0	The South India Industrials, Ld.	5,000	0	0	4,921	12	11	...	...	...	23	7	10	20	10	11
5	Draining, supplying and fixing Sanitary fittings to Rayapettah Hospital ...	19,448	7	9	Messrs. Wilson & Co., Local representatives Messrs. Richardson and Cruddas	20,531	13	2	19,742	2	2	1,000	0	0	6	1	12	15	8	12
7	Drainage and supplying and fixing of Sanitary fittings to New Municipal Office	24,000	0	0	Messrs Richardson & Cruddas ...	14,462	7	1	13,071	9	5	1,000	0	0	26	11	13	27	6	14
8	Do Do Assistant Surgeons and Nurses quarters	...	...	...	Do ...	2,196	5	10	2 272	11	7	200	0	0	0	0	0	27	8	14
					Harbour Overflow Sewer work.															
D.M.No.1	Bricks	10,000	0	0	The Oriental Commercial Agency ...	7,876	0	0	7,756	14	0	600	0	0	25	3	13	11	3	14
2	Blue Stone jelly	3,000	0	0	A. Chinnasami Sah ...	3,760	0	0	2,638	11	8	300	0	0	2	9	13	7	9	14
3	Supply of timber	...	...	...	Messrs Parry & Co., Messrs. Hajee Ismail Sait & Sons	5,610	0	0	2,293	11	0	50	0	0	13	11	13	23	1	14
						4,987	8	0	1,706	4	0	50	0	0	22	11	13	12	1	14
Piece work contract D.P. No. 1	Construction of Harbour overflow Intercepting Sewer in North Beach Road	19,115	10	9	O. Sudarsanam Maistry.	16,622	5	2	16,622	5	2	200	0	0	9	3	14	0	0	0
					Madras Main Drainage.															
	(a) Purasawalkam Area.																			
P.M. No. 1	Supply of Bricks	...	...	...	T. Saminatha Pillay ...	10,800	0	0	...	0	0	600	0	0	0	0	0	0	0	0
„ 2	„ Vellamarudhu & other timber..	...	...	...	Messrs. Parry & Co., ...	5,273	8	6	5,276	8	10	250	0	0	0	0	0	29	3	15
„ 3	Supply of Bricks	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
P.C. No. 1.	Construction of gravitation mains 33" and 30" cast iron mains and 30" & 27" dia. brick sewer in Perambore Barracks Road	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(b) Royapuram Area.																			
P. R. No. 1	Sewer laying	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
P.M. No. 1	Supply of Vellamarudhu and other timber	...	...	...	Messrs. Ragava Chetty and P. Narasimha Chary ...	...	...	...	...	...	...	250	0	0	...	...	...	...	...	...
	(c) Georgetown Area.																			
P.G. No. 1	Excavation Work for Sewers ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(d) Ice House Road area.																			
	Piece work contract for work sanctioned by S. C., on 4-12-14 Re-lifting the cast iron sewer along side Buckingham Canal	1,800	0	0	M. Bashiam Naidu ...	1,513	2	7	1,513	2	7	...	...	...	0	0	0	0	0	0
	Total ...	25,94,920	11	11		21,44,817	10	7	13,63,796	13	1	66,550	0	0						

SPECIAL WORKS DEPARTMENT, DRAINAGE SECTION.

TABLE No. 7.

Statement of Miscellaneous Piece-work Contracts awarded in connection with Special Drainage.

Contract No.	Description of Works.	Name of Contractor.	Value of work executed up to 31st March 1915.			Date of order to Commence.			Date of Completion.			Remarks.
			Rs.	A.	P.	D.	M.	Y.	D.	M.	Y.	
1	Construction of a masonry shaft at Kelly's drain ...	C. V. Chinnasami Sastri.	155	7	5	17	6	10	...	...	...	Cancelled.
2	Construction of compound wall, wells, &c., at Law College Pumping Station	P. Parthasarathi Naidu ...	3,278	3	6	5	3	10	...	...	..	Do.
3	Construction of a Night-Soil Depot, &c., at Ice House Road	O. Munisawmi Mudaliyar.	2,011	2	0	25	5	10	...	...	...	Do.
4	Construction of a water tower at Night-Soil Depot, Ice House Road	The South India Industrials, Ld. ...	726	12	11	18	4	10	19	5	10	
6	Construction of masonry work at Law College Pumping Station	Shunmuga Mudaliyar ...	557	1	8	13	10	10	20	6	11	
7	Execution of excavation works at Law College Pumping Station	T. C. Subramania Maistri	137	1	10	1	10	10	19	12	10	
8	Supply of obra sets for Law College Pumping Station ...	Do. ...	107	0	3	10	10	10	12	1	11	
9	Excavations for pipe trenches, &c., at Law College and Royapuram Pumping Stations	Maistri Kuppadu ..	459	6	8	17	1	11	15	7	11	
10	Excavation for Venturi Meters	Mr. C. White ...	471	10	9	13	3	11	26	6	11	
11	Excavation for laying Stoneware Pipes at Law College Pumping Station	Do. ...	578	5	3	...	...	...	6	12	11	
	Total ...		8,482	4	3							

APPENDIX II—TABLE No. 8.

SPECIAL WORKS DEPARTMENT.

Statement showing the works executed and the cost charged to Revenue Account during 1914-15.

No.	Description of Works.	Amount of Estimate.	Expenditure during the year.	Expenditure up to 31st March 1915.
		Rs.	Rs.	Rs.
1	Acquisition of land behind Ice House Road Pumping Station and constructing a Pail Depot.	12,615	1,745	12,081
2	Constructing new sea out-fall and covering the drain for stopping Kelly's drain nuisance ...	15,450	...	11,771
3	Filling in breaches and erecting a rough stone rivetment on the northern side of the sewage outfall channel at the northern end of George-town Grass Farm	3,750	...	...
4	Constructing storm water separator and side drain connections into the existing sewer at Vasamode Paracherry ...	810	483	810
5	Constructing a masonry side drain and connecting 6" storm water drain to the existing main in Scavanger's Lane, Nagappier Street, Tiruwatteeswaranpettah ...	750	347	608
6	Re-constructing house connections in Shaik Dawood Sahib Street, Triplicane ...	720	395	539
7	Drainage of Slaughter House with arrangements for preliminary treatment and pumping of the sewage to the head of the nearest sewer leading to DeMellow's Road Pumping Station ...	14,400	3,182	11,887
	Total ...	48,495	6,152	37,696

TABLE No. 9.

SPECIAL WORKS DEPARTMENT.

Statement showing the Private work executed during 1914-15.

No.	Description of Works.	Amount of Estimate.	Expenditure up to 31st March 1915.	Remarks.
		Rs.	Rs.	
1	Construction of Harbour overflow Sewer in North Beach Road ...	85,630	*94,557	
	Total ...	85,630	94,557	

* The excess amount was met from the Corporation Funds and will be recovered from the Port Trust.

SPECIAL WORKS DEPARTMENT.

Statement showing the value of Pumping Station buildings and plant, as given in the Administration Report for 1913-14, compared with the estimated value on the 31st March 1915.

		Value in Books on 31st March '14.	Estimated value on 31st March '15.
		Rs.	Rs.
Royapuram	Buildings	11,066	10,734
	Machinery	1,22,172	1,08,248
DeMellow's Road	Buildings	3,889	3,695
	Machinery	16,235	14,960
Langs Garden	Buildings	7,258	7,040
	Machinery	12,783	11,919
Napier Park	Buildings	11,425	11,082
	Machinery	21,118	19,426
Ice House Road	Buildings	8,990	8,720
	Machinery	14,493	13,552
Mylapore	Buildings	3,866	3,673
	Machinery	11,296	10,562
Law College	Buildings	16,944	16,436
	Machinery	86,408	76,535
Tondiarpet	A Buildings	12,990	12,600
	A Machinery	23,590	21,221
	B Buildings	14,890	14,443
	B Machinery	37,650	33,798
	C Buildings	12,550	12,173
	C Machinery	23,680	21,300
Night-soil Depot	Buildings	...	5,138
	Machinery	...	2,556
Kilpauk	Buildings	...	1,25,520
	Machinery ...	...	3,90,560
	Elevated Tank	...	1,74,250
	„ Masonry and Foundation ...	...	88,100
	Amount to be written off with the sanction of the Standing Committee for loss, wear and tear and depreciation		41,176
	Total ...	4,73,293	12,59,417
	Deduct value of new machinery, buildings, elevated tank, etc., added during the year		7,86,124
			4,73,293

APPENDIX II—TABLE No. 10-A.

SPECIAL WORKS DEPARTMENT.

Value of tools, plant and materials on 31st March 1914 (as given in the Administration Report for 1913-14) compared with the estimated value on 31st March 1915.

	31st March 1914.	31st March 1915.
	Rs.	Rs.
Tools and plant	60,264	66,545
Materials	5,25,100	3,99,229
Amount to be written off with the sanction of the Standing Committee for loss, wear and tear and depreciation ...	...	12,719
Total ...	5,85,364	4,78,493
Add value of Stoneware Pipes, etc., used during the year		1,06,871
		5,85,364

Special Works Department. Maintenance Section.

Maintenance of Sewage Pumping Stations.

COST OF PUMPING AT SEWAGE PUMPING STATIONS.

31*st March* 1915.

Name of Pumping Stations.	Royapuram.	Law College.	Langs Garden	Napier Park.	Ice House Road.	Mylapore.	Demellows Road.	"A" Pumping Station.	"B" Pumping Station.	"C" Pumping Station.
TYPE OF MACHINERY.	Worthington triple expansion direct acting Steam Pumps.		Worthington compound direct acting Steam Pumps.		Simple Steam Engine & Centrifugal Pumps.	Oil Engine & Centrifugal Pumps.				
WORK DONE.										
Gallons of Sewage pumped per minute, average per year ...	1285·02	549·38	196·61	516·64	352·22	151·28	629·90	398·85	1074·15	360·75
Average Head in feet ...	28·38	37·29	50·90	45·98	52·14	56·33	42·14	21·69	20·58	21·04
Pump Horse power (P. H. P.) ..	11·15	6·22	3·92	7·19	5 56	2·62	8.12	2·60	6·73	2·30
Indicated Horse power (I. H. P.) ...	59·4	17·17	17·18	28·36	42·25	32.52	44·02	12·09	33·91	20·77
P. H. P. at time of taking ...	31·58	8 57	7.98	14·34	10·76	7·24	16·00	5·10	16·60	9.72
$\frac{\text{P. H. P.}}{\text{I H. P.}}$ Total efficiency ...	0·53	0·52	0.47	0·50	0·26	0·24	0·33	0·43	0·49	0·49

COST PER PUMP HORSE POWER.

	Annas.	Annas.	Annas.	Annas.	Annas.	Annas.	Annas.	Annas.	Annas.	Annas.
Coal at Rs. 16-9 in April & Rs. 15 per ton. ...	2·31	2·12	7.69	3·68	5·74	...	...	...	...	...
Liquid fuel at as. 2·75, crude oil at as. 5·5 & Kerosene oil at as. 7·5 per gall. ...	...	.....	...	.....	...	3·82	2·28	0·55	0·67	0·84
Stores, oil, waste, etc. ...	0·16	0·15	0·24	0·13	0·15	0·73	0.18	1·65	0·93	2·08
Wages & Overtime of Driving Staff ...	0·84	1·45	2·86	1·20	1·32	1·92	0·82	9·61	3·13	11·74
Wages & Overtime of Repairing Staff, Cost of materials, License fee, Electric Lights, Telephone fee, Sewer Cleaning & Stationeries, &c. ...	1·06	1·01	1·76	0·92	1·31	2,60	1·39	1·23	0·77	1·42
Supervision & office staff including office stationeries ...	0.22	0·39	0·83	0·35	0·46	1·16	0.34	2·79	0·82	3·47
Total cost per Pump Horse Power.	4·59	5·12	13·38	6·28	8·98	10·23	5·01	15·83	6·32	19·55
Total cost per Pump Horse Power for the previous year (From April 1913 to March 1914) ...	4·44	6·63	15·49	6·58	9·39	8·39	4·01	...	...	...
Total cost per year in Rs. ...	24353·93	15465·06	19138·90	21700·86	23333·32	10966·15	17291·86	3251·92 for 8 months	3122·80 for 6 months	3059·98 for 8 months
Total cost for previous year in Rs. (From April 13 to March 14) ...	25970·72	16975·56	21486.47	23682·60	26969.17	7560·35	13525·55			

Total cost for the year for all the Pumping Stations, Rs. 1,41,684·78.

Total cost for previous year for all the Pumping Stations, Rs. 1,36,170·42.

The cost per P. H. P. is high in the case of A, B and C Stations, especially as regards wages and supervision, because of the small quantity of sewage pumped.

TABLE No. 11-A.

SPECIAL WORKS DEPARTMENT.

Cost of Design and Supervision.

Waterworks Section.

Year.	Design.			Construction.			Value of work designed.	Percentage of Designing Establishment on value of work designed.	Value of work executed.	Percentage of supervision on value of work executed.
	Engineers.	Subordinates.	Total.	Engineers.	Subordinate.	Total.				
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs.	Rs.
1908—09	21,131	5,876	27,007	1,800	700	2,500	62,79,500		64,602	3·87
1909—10	17,640	9,664	27,304	4,600	2,300	6,900			1,72,574	3·99
1910—11	12,108	9,406	21,514	12,108	9,407	21,515			3,04,188	7·07
1911—12	12,624	10,441	23,065	12,625	10,441	23,066			4,35,207	5·30
1912—13	11,983	9,853	21,836	11,984	9,853	21,837			6,19,918	3·52
1913—14	9,955	15,121	25,076	9,955	15,122	25,077			16,78,214	1·49
1914—15	9,900	18,929	28,829	9,900	18,930	28,830	5,30,000		5,78,821	4·98
Total...	95,341	79,290	1,74,631	62,972	66,753	1,29,725	68,09,500	2·56	38,53,524	3·37

DRAINAGE SECTION.

1908—09	17,801	7,418	25,219	1,600	800	2,400	9,82,910		39,621	6 06
1909—10	19,500	10,278	29,778	2,400	1,200	3,600	18,18,945		60,666	5·93
1910—11	12,777	8,859	21,636	12,777	5,859	21,636	38,610		3,81,714	5·67
1911—12	18,015	13,057	31,072	18,015	13,057	31,072	84,475		4,88,024	6·37
1912—13	15,437	15,716	31,153	15,437	15,716	31,153	121,03,440		4,07,632	7·64
1913—14	17,399	16,217	33,616	17,400	16,217	33,617			2,52,903	13·29
1914—15	14,820	21,464	36,284	14,820	21,463	36,283	12,12,500		2,31,055	15·71
Total	1,15,749	93,009	2,08,758	82,449	77,312	1,59,761	1,62,40,880	1·28	18,61,615	8·63

TABLE No. 12.

Table showing sizes and lengths of water pipes laid, during the year 1914-15.

Divisions.	Number of Fountains erected.	4″	2″	1¾″	1¼″	1″	¾″	½″	Remarks.
		ft.	ft.	ft.	ft.	ft.	ft.	ft.	
1 to 3	4	...	...	...	...	...	56	...	
4 & 5	...	...	...	...	...	...	...	...	
6 & 7	7	...	...	...	171	...	...	...	
8 & 9	1	...	...	...	...	...	20	...	
10 & 11	1	650	450	...	...	...	...	...	
12 & 13	2	...	...	..	...	...	60	...	
14 & 15-B	...	...	...	...	...	...	...	...	
16 & 17	13	...	...	...	...	...	...	...	
18 & 15-A	2	...	...	...	...	...	45	...	
19 & 20	10	...	...	350	200	960	...	150	
	40	650	450	350	371	960	181	150	3,112 feet or 1,037⅓ yds.

TABLE No. 13.

Reforming roads during 1914-15.

Thickness.	Blue Granite.				Velacheri Granite.				Laterite.				Remarks.		
	Squares.	Miles.	Fur.	Yds.	Squares.	Miles.	Fur.	Yds.	Squares.	Miles.	Fur.	Yds.			
6" ...	51½	0	1	26⅔	358¾	0	3	160	1,809¾	2	5	2⅔			
4" ...	5,803¾	3	5	216⅔	7,180¼	7	2	143	1,342	2	5	210⅓			
3" ...	15,193½	8	4	194⅔	1,031½	1	2	26⅓	83	0	1	61⅔			
													M.	F.	Yds.
Total ...	21,048¾	12	3	218	8,570½	9	0	109⅓	3,234¾	5	4	54⅔	27	0	162

TABLE No. 14.

Repairing roads thoroughly 4" *thick during* 1914-15.

Thickness.	Gravel.				Remarks.
	Squares.	Miles	Fur.	Yds.	
4"	124	0	1	188⅓	

TABLE No. 14 (*a*).

Tarring roads during 1914-15.

No. of Barrels.	Tarring.				Remarks.
	Squares.	Miles.	Fur.	Yds.	
650	11,451	2	6	53⅓	

TABLE 15.—List of roads and streets reformed with blue granite during 1914-15.

No.	Division.	Names of roads.	From.	To.	Length.
					Feet.
1	4th	Parry's Corner widening ...	Harbour Gate ...	300 feet. east wards ..	300
2	7th	Govindappa Naick Street ...	Thathamuthiappen Street ...	Ammen Kovil Street ...	1,325
3	8th	Basin Street ...	Audiappa Naick Street ...	Anna Pillai Street ...	590
4	8th	Mint Street ...	Anna Pillai Street ...	Audiappa Naick Street ...	587
5	8th	Govindappa Naick Street ...	Audiappa Naick Street ..	Thathamuthiappan Street ...	860
6	8th	Audiappa Naick Street ...	Varadamuthiappen Street ...	Govindappa Naick Street ...	300
7	8th	Govindappa Naick Street Pipe Track ...	Audiappa Naick Street ..	To a distance of 740 ...	740
8	9th	General Hospital Road, East ...	Evening Bazaar Road ...	Benifield Road ...	1,390
9	9th	Frazer Bridge Road ...	Benifield Road ..	Irusappa Maistry Street ...	1,240
10	10th	Madavaram Road ..	Perambore High Road ..	Tollgate ...	3,000
11	10th	Strahan's Road ...	Angalammen Covil Street ..	Brick Kiln Road ...	3,700
12	11th	Venkatamah Samaj ...	Brick Kiln Road ...	Padavattammen Kovil Street ...	1,086
13	12th	Rundall's Road ...	Poonamallee High Road ...	Jermiah Road ...	2,000
14	12th	Do. ...	Jermiah Road ...	Hunter's Road ...	1,200
15	12th	Sydenham's Road ...	Poonamallee High Road ...	Vepery High Road ...	1,200
16	12th	Purasawakam High Road ...	Brick Kiln Road ...	Hunter's Road ...	3,000
17	13th	Male Asylum Road ..	Whannel's Road ...	Police Commissioner's Office Road ...	2,130
18	13th	West River side Road. ...	St. Andrew's Bridge ...	The eastern end of Plague Hospital Compound ..	1,225
19	13th	Police Commissioner's Office Road ...	Poonamallee High Road ...	Level Crossing ...	780
20	13th	Do. ...	Level crossing ...	Egmore High Road ...	910
21	13th	Do ...	Egmore High Road ...	Pantheon Road ...	1,300

TABLE 15.—List of roads and streets reformed with blue granite during 1914-15– *(Continued.)*

No.	Division.	Names of roads.	From.	To.	Length.
					Feet.
22	13th	Ritherdon Road ..	Poonamallee High Road ...	Police Commissioner's Office Road ...	790
23	13th	Pantheon Road ...	College Bridge ...	Monteith Road ...	1,000
24	13th	Do. ..	Monteith Road ...	Police Commissioner's Office Road ...	2,000
25	13th	Velayutha Chetty Street ...	Harris Road ...	Subbaraya Mudaly Street ...	550
26	13th	Driver's Street ...	Subbaraya Mudali Street ...	Marshall's Road ...	550
27	13th	Subbaraya Mudali Street ...	Driver's Street ...	Velayuda Chetty Street ...	450
28	13th	Egmore High Road ...	Police Commissioner's Office Road ...	Gengoo Reddy Road ...	1,720
29	13th	Casa Major Road ...	Pantheon Road ...	Do. ...	2,000
30	14th	Madavakam Tank Road ...	Purasawakam High Road ...	Tollgate ...	1,100
31	14th	Purasawakam High Road ...	Miller Road ...	Madavakam Tank Road ...	1,911
32	14th	Madavakam Tank Road ..	Tollgate ...	Limit ...	2,200
33	14th	Brick Kiln Road ...	Purasawakam High Road ...	Rubbish Depot ...	2,000
34	17th	Bell's Road ...	Wallajah Road ...	Pycrofts Road ...	2,322
35	17th	Wallaja Road ...	Triplicane High Road ...	Bells Road ...	1,900
36	17th	Do. ...	Do. ...	Mount Road ...	1,166
37	17th	Pycrofts Road ...	South Beach Road ...	Bells Road ...	1,668
38	17th	General Patters Road ...	Woods Road ...	Mount Road ...	1,948
39	18th	West Cott Road ...	Peters Road ...	Pycrofts Road ...	1,650
40	19th	Rosary Church Road ...	Cutchery Road ...	San Thome High Road ...	1,284
41	19th	Cutchery Road ...	Brodies Road ...	Rosary Church Road ...	2,246
42	19th	Rayapettah Bazar Road ...	Royapettah High Road ...	Peters Road ...	586

TABLE 15.--List of roads and streets reformed with blue granite during 1914-15--(*Continued.*)

No.	Division.	Names of roads.	From.	To.	Length.
					Feet.
43	19th	Royapettah High Road ...	Royapettah Bazaar Road ...	Lloyd Road ...	2,042
44	19th	Do. ...	Lloyd Road ...	Venkatachella Mudali Street ...	1,970
45	19th	Do. ...	Venkatachella Mudali Street ...	Brodies Road ...	2,078

TABLE 15.—List of roads and streets reformed with Velacheri granite during 1914-15.

No.	Division	Names of reads.	From	To	Length.
					Feet.
1	4th	Merkayor Lubbai Street ...	Krishnan Kovil Street ...	Sultan Street ...	425
2	5th	Kondi Chetty Street ...	China Bazaar Road ...	Philips Street ...	480
3	5th	Muthu Mari Chetty Street ...	Mannady Street ...	Odacal Street ...	890
4	5th	Iyappa Chetty Street ...	Do ...	Do ...	895
5	6th	Anderson Street ...	Anna Pillai Street ...	China Bazaar Road ...	1,125
6	6th	Guruvappan Street ...	China Bazaar Road ...	To a length of 280' towards north from China Bazaar Road	280
7	9th	Peddu Naicken Street ...	Mint Street ...	Nyniappa Naick Street ...	311
8	12th	Mattukara Veerabadran Street ...	Perianna Maistry Street ...	Naval Hospital Road ...	570
9	12th	Swamy Mudaly Street ...	Vepery High Road ...	Mc' Farlain lane ...	400
10	12th	Narayana Chetty Street ...	Poonamallee High Road ...	Erusappa Mudaly Street ..	400
11	12th	Veerasami Pillai Street ...	Do ...	Do ...	420
12	12th	Kattoor Sadayappan Street ...	Mc' Farlain Lane ...	Do ...	600
13	12th	Perianna Maistry Street ...	Vepery High Road ..	Mattukara Veerabadran Street ...	1,020
14	12th	Naval Hospital Road ...	Do ...	Stringer's Road ...	1,060
15	12th	Woothukattan Street ...	Do ...	Mattukara Veerabadran Street ...	840
16	12th	Street by the side of Jubilee Market ...	.....	.....	250
17	12th	Lala Kutty Street ...	Varasiddi Vinayagar Kovil Street ...	Veeraswami Pillai Street ...	520
18	14th	Chinnakilpauk Road ...	Madavakam Tank Road ..	Limit ...	2,200
19	15th	Abbu Naicken Street ...	Village Road ...	End ...	260
20	16th	Venkatesa Gramani Street ...	Arunachala Naicken Road ...	Cooum Road ...	1,160
21	16th	Singana Chetty Street ...	Do ...	Do	1,075

TABLE 15.—List of roads and streets reformed with Velacheri granite during 1914–15—(*Continued*).

No.	Division.	Names of roads.	From	To	Length.
					Feet.
22	16th	Singanna Chetty Street ...	Guruvappa Chetty Street ...	Arunachala Naick Road ...	718
23	16th	Lafond Street ...	Arunachela Naick Road ...	New Road ...	436
24	16th	Sunkuvar Agraharam Street ...	Singanna Chetty Street ...	Swami Naick Road ...	500
25	16th	Attipattan Street ...	Do ...	Mount Road ...	884
26	16th	Swami Pandaram Street ...	Swami Naick Road ...	Cooum Road ...	1,276
27	16th	Palli Street ...	Iyah Mudaly Street ...	Do ...	358
28	16th	Bungalow Street ...	Swami Naick Road ...	Singanna Chetty Street ...	325
29	16th	New Bungalow Street ...	Bungalow Street ...	Guruvappa Chetty Street ...	344
30	16th	Valluvan Street ...	Iyah Mudaly Street ...	Singanna Chetty Street ...	434
31	16th	Iyah Mudaly Street ...	Swami Pandaram Street ...	Swami Naick Street ...	1,036
32	18th	Ramaswami Maisty Street ...	Triplicane High Road ...	Surappa Mudaly Street ...	300
33	18th	Agathimuthan Street ...	Shaik Davood Street ...	Do ...	300
34	18th	Aiyaswami Chetty Street ...	Triplicane High Road ...	Arumuga Achari Street ...	230
35	18th	Pallappen Street ...	Do ...	Shaik Davood Street ...	600
36	18th	Subboroya Chetty Street ...	Ramaswami Maistry Street ...	Aiyaswami Chetty Street ...	240
37	18th	Mallan Ponnappa Mudaly Street ...	Do ...	Temple ...	840
38	18th	Thambu Naick Street ...	Devaraja Mudaly Street ...	End ...	335
39	18th	Gafoor Sahib Street ...	Ice House Road ...	Gafoor Sahib Lane ...	500
40	18th	Asalambi Street ...	Do ...	End ...	525
41	18th	Muzafer Jung Bahadur Street ...	Triplicane High Road ...	Shaik Davood Street ...	600
42	18th	Erusappen Street ...	Jani John Khan Road ...	Jani Jhon Khan Road ...	650

TABLE 15.—List of roads and streets reformed with Velacheri granite during 1914-15—(*Continued*).

No.	Division.	Names of roads.	From	To	Length.
					Feet.
43	18th	Raja Hanumantha Lala Street	Pycrofts Road ...	End ...	400
44	19th	Pudupet Garden Street	Mowbray's Road ...	Temple ...	812
45	19th	Mastura Begampetta Street ...	Venkatachalla Mudaly Street ...	Its Western End ...	589
46	19th	Do Lane ...	Do ...	Do ...	547
47	19th	Irusappa Gramani Street ...	Ice House Road ...	Barbers Bridge Road ...	1,071
48	19th	Branch Road of Luz Church Road ...	Luz Church Road fountain ...	Kannadi Street ...	400
49	19th	Nattu Subbaraya Mudaly Street ...	Mylapore Bazaar Road ...	Mundacanni Amman Kovil Street ...	1,122
50	19th	A lane ...	Opposite to Messrs. D. Rajoo & Co. in San Thome	High Road ...	388
51	19th	A Road ...	from Barbers Bridge Road to Chucklers Hutting	Ground ...	430
52	19th	Karneswarar Pagoda Street ...	Mylapore Bazaar Road ...	Karneswarar Pagoda Road ...	1,175
53	19th	Nattu Muthu Naicken Street ...	Pilliar Kovil Street ...	Eldhams Road ...	617
54	19th	Kennadi Street ...	Luz Church Road ...	Oliver's Road ...	560
55	19th	Anicha Pillai Street ...	Royapetta Bazaar Road ...	Muthu Mudaly Street ...	340
56	19th	Nattu Subbaraya Mudaly Street, Teynampet ...	Varasiddi Vinayagar Coil Street ...	Lamp Post No. 19/461 ...	910
57	19th	Muthu Mudaly Street ...	Royapetta Bazaar Road ...	Ammen Coil Street ...	735
58	20th	Kanagaraya Malayappa Naicken Street ...	Arulappa Naicken Street ...	St. Lazarus Chruch Road ...	658
59	20th	Arulappa Naicken Street ...	Mada Church Road ...	Kanagaraya Malayappa Naicken Street ...	391
60	20th	Periya Palli Street ...	St. Lazarus Church Road ...	Arulappa Naicken Street ...	686
61	20th	Adanja Mudaly Street ...	Manthavali Street ...	Sadayappa Mudaly Street ...	618
62	20th	Malayappa Naicken Street ...	Periya Palli Street ...	Kanagaraya Malayappa Naicken Street ...	244
63	20th	Sadayappa Mudaly Street ...	Brodies Road ...	End ...	394

TABLE 15.--List of roads and streets reformed with Velacheri granite during 1914-15– (*Continued*)

No.	Division.	Names of roads.	From	To	Length.
					Feet.
64	20th	Ellapatha Mada Kovil Road ...	Mowbray's Road ...	Wharf Bridge ..	3,936
65	20th	Do	Wharf Bridge ...	Brodies Road ...	1,848
66	20th	Thengoor Selva Vinayagar Kovil Street ..	South Mada Street ...	Manthavali Street ...	941
67	20th	Nadu Street ..	Kabaleeswarar East Mada Street ...	Appu Mudaly Street ...	932
68	20th	Mari Chetty Street ...	Manthavali Street ...	Arunagiri Mudaly Street ...	385
69	20th	Singari Naicken Street ...	Do ...	Muthu Raman Street ...	312

TABLE 15.—List of roads and streets reformed with laterite during 1914-15.

No.	Division.	Names of roads.	From	To	Length.
					Feet.
1	1st	Venkatachalla Naick Street ...	Kalmandapam Road ...	Andiappa Gramany Street ...	1,300
2	2nd	First two Cross Streets ..	Rope Godown Paracherry ...	.....	1,468
3	2nd	Audiappa Mudaly Street ...	Monighar Choultry Road ...	Thoppai Mudaly Street & Rama Naicken Street ...	1,800
4	2nd	Rama Naick Street ..	Cemetery Road ...	North End ...	1,330
5	2nd	Ramanjier Street ...	Monighar Choultry Road ...	Thiruvattore High Road ...	3,980
6	3rd	Nainiappa Naick Street ..	Tholasinga Gramany Street ...	Mariappa Mudaly Street ...	815
7	3rd	Tholasinga Gramany Street ...	Nainiappa Naick Street ...	Gollammen Kovil Street ...	150
8	4th	Adam Street ...	Sultan Street ...	Krishnan Kovil Street ...	450
9	6th	Aucharappen Lane ...	Aucharappen Street ...	Dead End ..	173
10	7th	Saravana Mudaly Street ...	Mint Street ..	Bashiacharlu Naidu Street ..	505
11	7th	Bashiacharlu Naidu Street ...	Peddu Naicken Street ...	North Wall Road ...	858
12	7th	Ammen Kovil Street ...	Mint Street ...	Wall Tax Road ..	1,736
13	8th	Vinayaga Maistry Street ...	Anna Pillai Street ...	Tirupalli Street ...	600
14	8th	Ramanuja Iyer Street ..	Elephant Gate Street ...	Audiappa Naick Street ...	245
15	8th	Chinnathamby Mudaly Street ...	Audiappa Naick Street ...	Anna Pillai Street ...	510
16	10th	Brighton Road ...	Gantz Road ...	Distillery ...	897
17	11th	Mukatal Street	Pursawakam High Road ...	Vadamalai Pllai Street ...	1,412
18	12th	Maddox Street ...	Vepery High Road ...	General Collins Road ...	800
19	12th	Do ..	General Collins Road ...	Choolai Bazaar Road ..	930
20	12th	Atkinson Road ...	Vepery High Road ...	Lamp Post No. 5 C/13 D ...	1,350
21	13th	Lubbay Street ...	Narayana Naick Street ...	Iyaswami Pillai Street ...	870

TABLE 15.—List of roads and streets reformed with laterite during 1914-15.—(*Continued*)

No.	Division.	Names of roads.	From	To	Length.
					Feet.
22	13th	Venkatachala Mudaly Street ...	Harris Road ...	Conjeeveram Pachaiappa Mudaly Street ...	500
23	13th	Swami Reddy Street ...	Halls Road ...	Perumal Reddy Street ...	1,200
24	13th	Seyala Mudaly Street ...	Marshalls Road ...	Velayutha Chetty Street ...	1,000
25	14th	D. Filter Bed Road ...	Chinna Kilpauk Road ...	100 feet towards South ...	1,000
26	14th	Newcross Road B in Filter Bed ...	Main Road ...	Road D ...	675
27	14th	Do E in Filter Bed ...	Chinna Kilpauk Road ...	Do A ...	425
28	14th	Main Road in Filter Bed ...	Road B. ...	Do G ...	325
29	14th	Newcross Road A in Filter Bed ...	Main Road ...	Do D ..	675
30	14th	Do F Do ...	Road B. ...	Do G ...	400
31	14th	Do G Do ...	Main Road ...	Pumping Station ...	825

TABLE 15.—List of roads and streets reformed with gravel during 1914-15.

No.	Division.	Names of roads.	From	To	Length.
					Feet.
1	13th	Streets at Anglo-Indian Model Dwellings ...			400
2	14th	A Road ...	Kilpauk garden Road ...	Red Hills Supply Channel through No. 4 Cottage ...	825

TABLE 15(*a*).—List of roads and streets tarred during 1914-15—(*Continued.*)

No.	Division.	Names of roads.	From	To	Length.
					Feet.
1	13th	Pantheon Road ...	College Bridge ...	Police Commissioner's Office Road ...	3,000
2	15th A	Re-tarring Mount Road ...	Messrs. W. E Smith & Co ...	Spencer's ...	2,500
3	17th	South Beach Road ...	Pycrofts Road ...	Napier's Bridge ...	3,880
4	17th	Mount Road ...	Blackers Road ...	General Patters Road ...	1,650
5	17th	General Patters Road ...	Mount Road ...	Woods Road ...	2,000
6	18th	West Cott Road ...	Pycrofts Road ...	Peters Road ...	1,650
					14,680

TABLE No. 16.

Table showing the monthly rainfall and water level in the Red Hills Lake.

Month and Year.	Rainfall in Inches.	Tank water surface average.	Remarks.
April 1914 ...	1·87	43·00	These figures are according to the Government P. W. D. datum, which differs from the Municipal datum.
May „ ...	0·27	41·90	
June „ ...	0·66	40·30	
July „ ...	2·34	39·30	
August „ ...	7·51	40.30	
September „ ...	9·29	42·40	
October „ ...	23·06	44·67	
November „ ...	8·51	44·50	
December „ ...	3·29	44·40	
January 1915 ...	5·96	45·30	
February „ ...	0·53	45·70	
March „ ...	„	45·00	

TABLE No. 17.

Statement showing the amount of water used for non-domestic purposes and billed for during the year 1914-15 and the total collections of the year.

Period.	Quantity of water used during the year. Gallons.	Bills issued during the year. Rs.	A.	P.	Amount collected during the year. Rs.	A.	P.	Remarks.
March 1914 ...	2,17,83,167	16,335	2	0				
April „ ...	1,58,51,167	11,888	6	0				
May „ ...	1,75,13,500	13,135	2	0				
June „ ...	1,80,40,333	13,530	4	0				
July „ ...	1,85,33,000	13,899	12	0				
August „ ...	1,62,30,667	12,173	0	0				
September „ ...	1,55,32,000	11,649	0	0				
October „ ...	1,41,86,000	10,639	8	0				
November „ ...	1,26,79,667	9,509	12	0				
December „ ...	1,33,32,167	9,999	2	0				
January 1915 ...	88,47,167	6,635	6	0				
February „ ...	91,74,667	6,881	0	0				
March „ ...	40,19,667	3,014	12	0				
	18,57,23,169	1,39,290	2	0	1,46,585	11	11	
Deduct remissions and refunds.		39	8	0				
Balance ...	18,57,23,169	1,39,250	10	0	*1,46,585	11	11	
Total for 1913-14 ...	17,58,55,996	1,31,857	5	0	1,34,968	6	8	

* Includes arrears of previous years collected during the year.

TABLE No. 18.

Table showing the prosecutions instituted during the year 1914-15.

Works and License Departments.

Sections.	Charges.	No. of Summonses granted.	Convicted.	Acquitted.	Withdrawn.	Party not found.	Undisposed of.	Fines imposed.		
								Rs.	A.	P.
195, 198, 207, 221 and 319	Unlawful entry and prohibition against contamination of water-supply, &c. ...	33	30	...	...	3	...	31	4	0
247 & 248	For encroachment or projection	2,156	61	1	1,920	79	95	61	6	0
249 (*b*)	For putting up temporary pandals without sanction	44	9	1	30	..	4	4	6	0
252 & 253	For making holes and causing obstruction in streets	127	13	4	96	5	9	9	0	0
262	For using inflammable materials for buildings	775	28	...	660	57	30	9	8	0
323	Dangerous trades	868	43	4	693	100	28	54	10	0
325	Combustible Depôts	469	19	...	366	65	19	10	10	0
264 to 271, 278, 286 & 424	Constructing or re-constructing buildings without sanction	78	41	...	28	3	6	98	4	0
469	For unlawful removal of earth, sand or other material from land vested in the Corporation or the deposit of matter or encroachment in or on river, estuary, &c.	27	12	14	..	1	...	13	0	0
324	For erection of machinery, steamboiler, &c.	1	...	...	1	...	...	...	...	...
	Total ..	4,578	256	24	3,794	313	191	292	0	0

APPENDIX II.

TABLE No. 18-A.

Statement showing the number of electric lights fixed in 1914-15—

Audiappa Naick Street	26
Guruvappen Street	4
Samudra Mudali Street	1
1st Line Beach	15
2nd Line Beach	16
Linga Chetty Street	33
Narayana Mudaly Street	9
Port Trust (1st Line Beach Road)	6
Mannaru Street	1
Purasawalkhm High Road	9
Gangadeswarar Coil Road	5
Mookathal Street	4
Prasannavinayagar Covil Street	2
Munro Bridge	4
Basin Bridge Road	4
Graemes Road	9
Anderson Road	3
Atkinson Road	3
Police Commissioner's Office Road	9
Gengu Reddi Road	3
Spur Tank Road	3
Poonamallee High Road	3
Victoria Crescent	6
Avadanam Paupier Street	4
Poonamallee High Road from Periamet level crossing to Tramway Company	16
Whannels Road	10
Ponniammen Covil Street	2
Elephant Gate Road junction of Sydenhams Road.	1
Egmore Post Office	1
Arunachala Naick Road	19
Patulloos Road	4
Whites Road	18
Pycroft's Road	44
Mowbray's Road	1
Madah Street, Mylapore	6
Brodies Road	3
Edward Elliots Road	16
Iyah Mudali Street	3
Kalava Chetty Street	2
Sami Naick Street	3
Rayapettah High Road...	4
Total...	335

TABLE No. 19.

Total of License fees recovered and the number of applications or cases dealt with during the year 1914-15.

Total No. of applications or cases dealt with.	Number refused or undisposed.	Number sanctioned.	Purpose.	License fee. Rs.	A.	P.
22	...	22	Aerated water and Ice factories ...	2,200	0	0
255	2	253	Bake Houses ...	1,890	0	0
4	...	4	Blasting powder ...	400	0	0
3	...	3	Bones ...	150	0	0
49	1	48	Brickkilns ...	425	0	0
1.885	321	1,564	Construction or reconstruction of buildings and huts ...	3,894	0	0
177	...	177	Breaking and hammering iron and manufacturing vessels out of iron. ...	1,770	0	0
241	...	241	Beating metals or manufacturing vessels, utensils, etc., with sheet metals ...	484	0	0
42	...	42	Candles ...	210	0	0
3	...	3	Carpet factories ...	20	0	0
25	3	22	Cart-stands ...	720	0	0
49	...	49	Casting metals ...	425	0	0
1	...	1	Cat gut ...	15	0	0
633	12	621	Cattle yards ...	4,089	8	0
80	...	80	Charcoal, coal or coke ...	1,431	0	0
14	...	14	Chemicals ...	350	0	0
65	...	65	Cloths manufacture in Indigo or other colours ...	1,288	0	0
4	...	4	Cocoanut fibre ...	20	0	0
12	...	12	Condiment factories ...	120	0	0
11	...	11	Cotton ...	255	0	0
83	...	83	Debentures registration ...	83	0	0
2	...	2	Dynamite ...	250	0	0
3	...	3	Erection of Steam producing or dangerous machinery ...	300	0	0
3	...	3	Fat ...	45	0	0
3,666	339	3,327	Carried over ...	20,834	8	0

Total No. of applications or cases dealt with.	Number refused or undisposed.	Number sanctioned.	Purpose.	License fee.		
				Rs.	A.	P.
3,666	339	3,327	Brought forward ...	20,834	8	0
954	...	954	Firewood ...	3,097	0	0
114	...	114	Fireworks ...	444	8	0
11	...	11	Fish ...	33	0	0
39	2	37	Flour ...	190	0	0
3	...	3	Fulminate of mercury ...	200	0	0
3	...	3	Gas ...	150	0	0
52	...	52	Gilding and electroplating ...	260	0	0
83	...	83	Grave diggers ...	83	0	0
5	...	5	Gunpowder ...	500	0	0
177	...	177	Hack stables ...	689	0	0
9	...	9	Hair (souri) ...	45	0	0
3	...	3	Horns ...	150	0	0
22	...	22	Iron safe manufacturing ...	550	0	0
26	3	23	Lime ...	580	0	0
44	...	44	Markets (private) ...	3,700	0	0
345	...	345	Matches ...	1,176	0	0
28	2	26	Meat stalls, outside markets ...	120	0	0
562	...	562	Obstruction, scaffolding, etc., under sections 252 and 253 ...	2,641	8	0
42	...	42	Oil petroleum under Municipal Act ...	467	8	0
77	11	66	Do under Petroleum Act ...	2,072	0	0
98	3	95	Oil mills and presses ...	1,325	0	0
73	...	73	Oils of sorts ...	1,030	0	0
11	...	11	Oil boiling ...	55	0	0
1	...	1	Offal ...	50	0	0
446	...	446	Paddy boiling ...	494	0	0
4,765	4	4,761	Pandals ...	9,370	12	0
1	...	1	Paper factories ...	5	0	0
11,660	364	11,296	Carried over ...	50,312	12	0

Total No. of applications or cases dealt with.	Number refused or undisposed.	Number sanctioned.	Purpose.	License fee. Rs.	A.	
11,660	364	11,296	Brought forward ...	50,312	12	0
2	...	2	Pitch ...	50	0	0
34	...	34	Plumbers' licenses ...	340	0	0
43	...	43	Pottery kilns ...	215	0	0
113	1	112	Skins, hides and leather ...	4,040	0	0
28	...	28	Spirits and turpentine ...	700	0	0
45	...	45	Straw, dry leaves, etc. ...	300	0	0
3,433	...	3,433	Sunshades ...	5,475	0	0
3	...	3	Sulphur ...	75	0	0
1	...	1	Swine ...	3	0	0
7	...	7	Tar ...	175	0	0
147	...	147	Timber, bamboo, palmyra rafters, etc. ...	5,160	0	0
4	...	4	Wool ...	200	0	0
300	9	291	Washing soiled clothes ...	Free.		
218	...	218	Butchers' licenses under sections 342 and 350 ...	Free.		
432	...	432	Arrear collections ...	1,357	0	0
29	29	...	Advance collections ...	1,424	4	0
16,499	403	16,096		69,827	0	0
			Less the amount refunded ...	225	12	0
			Total ...	69,601	4	0
			Total of fees collected under "Licenses Registration, etc.," including private markets and cart-stands.			
			During the year 1913-14 ...	69,368	4	0
			Do. 1912-13 ...	67,699	2	0
			Do. 1911-12 ...	62,518	1	0

TABLE No. 20.

People's Park.—Statement of receipts and disbursements for the year 1914-15.

Disbursements.	Amount.			Receipts.	Amount.		
	RS.	A.	P.		RS.	A.	P.
Establishment	4,594	3	0	Sale proceeds of hay and grass...	1,214	15	8
Allowance	...	...	...				
Labour.				Payment by contractor for menagerie collections	6,815	15	0
Gardeners, &c.	2,845	7	0				
Cost of food for animals ...	44	4	11				
Feeding animals and birds ...	10,025	5	10	Miscellaneous	836	10	10
Purchasing animals and birds ...	161	14	0		8,867	9	6
Other charges.				Government grant for the upkeep of the Zoological collections	2,000	0	0
Clothing for sergeants and peons.	135	9	8				
Weeding and cutting grass ...	945	7	11				
Sundries &c.	487	2	10				
Repairing gravel walks ...	24	11	2				
Do. bandstand, &c. ...	131	12	9				
Do. lamp posts, &c. ...	173	10	8				
Purchasing tubs, manure, &c. ...	224	9	2				
Improving and covering foliage shed ...	110	13	7				
Constructing masonry stands ...	111	14	0				
General repairs	1,243	10	2				
Stationery	19	12	6				
Printing	25	2	7				
Advertisement	74	8	0	Met from the Corporation funds...	11,581	8	1
Fees for band	1,040	0	0				
	17,825	12	9				
Tools and plant	29	1	10				
Total ...	22,449	1	7	Total ...	22,449	1	7

TABLE No. 21.

Napier Park.

Disbursements.	Amount.			Receipts.	Amount.		
	RS.	A.	P.		RS.	A.	P.
Establishment	572	10	4	Sale proceeds of hay and grass.	...	...	...
Allowance	120	0	0				
Labour.				Miscellaneous	135	1	10
Gardeners, &c.	672	11	11				
Clothing for peons	34	0	0				
Contingencies	23	2	10				
	729	14	9				
Tools and plant ...	...	.	...	Met from the Corporation funds...	1,287	7	3
Total ...	1,422	9	1	Total ...	1,422	9	1

TABLE No. 22.

Robinson Park.—Statement of receipts and disbursements for the year 1914-15.

Disbursements.	Amount.			Receipts.	Amount.		
	Rs.	A.	P.		Rs.	A.	P.
Establishment	1,029	6	2	Sale of grass, &c. ...	255	15	0
Labour.				Met from the funds of the Corporation	4,868	5	0
Gardeners, Engine driver and Lascar	2,230	15	7				
Stationery	7	5	3				
Printing	6	0	4				
Purchasing tubs, manure, &c. ...	318	1	0				
Clothing for peons	14	5	1				
Fee for band playing	650	0	0				
Oil for lighting	23	3	9				
Repairing hand cart, &c. ...	54	11	4				
Improvements of Fernery ...	250	6	9				
Repairing Foliage shed, &c. ...	408	7	7				
Fuel, &c., for oil engine ...	129	15	11				
	4,093	8	7				
Tools and plant ...	1	5	3				
Total ...	5,124	4	0	Total ...	5,124	4	0

TABLE No. 23.

Loane Square.—Statement of receipts and disbursements for the year 1914-15.

Disbursements.	Amount.			Receipts.	Amount.		
	Rs.	A.	P.		Rs.	A.	P.
Allowance	60	0	0	Met from the funds of the Corporation	1,778	8	7
Labour	251	0	6				
Fees for band playing ...	1,275	0	0				
Painting railing gates and white washing	192	8	1				
Tools and plant	...	...	...				
Total ...	1,778	8	7	Total ...	1,778	8	7

APPENDIX II.

TABLE No. 24.

CORPORATION WORKSHOPS.

Statement showing the number and cost of works executed during 1914-15.

		Number.	Cost.		
			Rs.	A.	P.
I.	Departmental Works	2,590	1,30,623	10	9
II.	Private Works	105	1,205	3	2
III.	Foreign or Advances Recoverable Works ...	45	391	12	10
	Total...	2,740	1,32,220	10	9
	New Works	949			
	Repairs	1,791			

TABLE No. 25.

CORPORATION WORKSHOPS.

Statement showing some of the more important works done during 1914-15.

No.	Particulars.	Estimate Amount.	Expenditure during the year.
		Rs.	Rs.
1	Manufacturing 10 wooden trolleys, new pattern for depots ...	3,800	3,075
2	Do. tables, chairs, etc., for the Revenue Department.	8,730	6,440
3	Do. tree guards for the Honorary Arborist ...	1,029	1,000
4	Erecting a galvanized iron fence round the drainage stores ...	2,720	2,210
5	Manufacturing 20 box carts lined with galvanised iron sheet, new pattern for depots	4,500	4,320
6	Erecting 2 sets of screening cages and all accessories for C Pumping Station	1,400	1,290
7	Erecting 2 sets of screening cages and all accessories for A Pumping Station	1,400	1,290
8	Manufacturing 100 street lanterns, 40 prickly pears knives, 60 racks, 100 wrought iron frames and 200 zinc reservoirs...	1,092	960
9	Manufacturing map and plan racks for Works Department ...	1,659	1,445
10	Do. furniture for Works Department	1,190	1,085
11	Erecting a traveller at moulder shed	1,100	845
12	Manufacturing 12 box carts inlaid with galvanized steel iron...	2,856	2,520
13	Fixing corrugated iron sheets for the stores shed at Anna Pillai Street, Special Works Department	1,150	1,080

TABLE No. 26.

CORPORATION WORKSHOPS.

Statement showing the number and description of carts, buckets, dust-bins, &c., manufactured during 1914-15.

Particulars..	No.
Box carts, wooden, new pattern	46
Night-soil buckets, with covers, iron	168
Hand carts with buckets, iron	12
Do do wooden	14
Night-soil pails, iron	138
Dust-bins, large, corrugated iron	319
Do small do	285
Do fly proof	21
Meter doors of sizes, cast iron	28
Do wrought iron	80
Do wooden	10
Trollies, wooden	14
Gratings of sizes, cast iron	64
Do wrought iron	35
Lanterns street	100
Tree guards, iron	59
F. H. Indicator plates cast iron	400
50 Gallons, Tanks on wheels	11
Circular, Manhole covers of 18" diameter	18

TABLE No. 27.

CORPORATION WORKSHOPS.

Statement of New Machinery purchased during 1914-15.

Description of Machine.	No.	Value.
		Rs.
1. Portable crane	1	330
2. Surfacing and boring lathe	1	2,485
3. Traveller for moulder shed with worm geared pulley ...	1	1,100
4. Portable Aston oil Petrol pump and Engine	1	2,986
Total ...	4	6,901

Report from the Sub-Assistant Inspector of Schools, Triplicane Range, on the working of schools aided and maintained by the Corporation during the official year 1914–1915.

SCHOOLS MAINTAINED BY THE CORPORATION.

Number and strength.—Five schools were opened during the year, one in May 1914, one in June 1914, one in July 1914 and two in March 1915, thus bringing up the total number of Corporation Schools to 12. The necessary particulars in regard to them are given below :—

No.	Name of School.	No. of Standards.	No. on rolls on 31st March 1915.		Total.	Average attendance.
			Boys.	Girls.		
1	Chetput ...	Infant to Fourth.	181	49	230	177
2	Vallabha Agraharam ...		170	26	196	140
3	Periamet ...		95	40	135	88
4	Purasawalkam ...		178	...	178	123
5	Chintadripet ...		171	34	205	141
6	Malayappan Street ...		112	19	131	81
7	Sanjeevirayanpet ...		175	11	186	158
8	Mandavali (Mylapore) ...		176	8	184	119
9	Nungambakam ...		140	..	140	113
10	Korukupet ...		151	17	168	113
11	Goyatope ...		21	16	37	24
12	Thousand Lights. ...		...	...	...	...
		Total ...	1570	220	1790	1277

Out of the twelve schools, the school at Thousand Lights was opened only on 31st March 1915 and regular classes were formed only in April 1915 and hence the strength of that school is not given. Out of the total of 1790 pupils on the whole about 19 per cent. of the number belonged to the Panchama classes of the community, most of the pupils in the Chetput and Periamet schools being of that class. It is also expected that the majority of the pupils of the Thousand Lights School will be of that community, while in the Malayappan street School about 30 per cent. of the pupils belonged to that class. In the other schools a good many pupils attending the school are of the other backward classes.

Accommodation and Equipment.—All the schools were provided with accommodation of their own except the Sanjeevirayanpet and Nungambakam schools which were located in rented houses. The school at Sanjeevirayanpet occupied the building constructed by the Corporation on 2nd December 1914 and the Nungambakam school is still in the rented building and a building for it by the Corporation is under construction and it may be ready for occupation in a few months. All the buildings have more or less open space around them, of which a portion is allotted for school garden and the rest is used as play-ground.

All the schools have been provided with the necessary furniture except the one at Nungambakam for which it is being made ready. Some of the first

opened schools have been supplied with the necessary apparatus and appliances for teaching. The equipment for these schools is satisfactory and fairly up-to-date. The indents were sent up for the other schools also but they were not sanctioned for want of funds. Revised list of apparatus and appliances is being drawn up for these and it is hoped that early arrangements will be made for their equipment.

Staff and Instruction.—Each of these schools is staffed with five teachers and a handicraft instructor who gives instruction in carpentry. The staff has been efficient, most of the teachers employed having been trained or professionally qualified. The Chetput school alone has got two additional teachers on account of the increased strength it has. In this connection, I have the honour to submit that the instruction given in carpentry work and the progress made by the pupils (mostly Panchamas) in the Chetput school is worth noting.

These teachers availed themselves of the opportunities afforded by the elementary section of the Teachers' Guild for improving their knowledge of subjects included in the Elementary Scheme of Studies issued by the Department, and these were awarded certificates during the year for their proficiency in the several subjects.

Syllabuses of instruction were drawn up in conformity with the scheme and followed.

Finance.—The particulars regarding this item are not available in this office.

Schools aided by the Corporation.—Nil. (*Vide* para. 2 of G. O. No. 820 M., dated 25th May 1911).

General Remarks.—The schools were paid surprise visits by the Sub-Assistant Inspectors of Schools and the working of the schools has been carefully watched by them. They were examined for annual inspection and copies of these reports have been duly forwarded to the President, Corporation of Madras. Every endeavour is being made to make the schools model schools as required in the G. O., referred to above.

Statement No. 1 relating to General Statistics in Educational Institutions in the area under the control of the Corporation of Madras.

Institutions.	1914.			1915.			Total population of School-going age.		Remarks.
	Number of Schools.	Number of pupils on 31st March.		Number of Schools.	Number of pupils on 31st March.				
		Boys.	Girls.		Boys.	Girls.	Boys.	Girls.	
Elementary Schools—Boys.									
Municipal ...	7	995	195	12	1,570	220	39,970	37,829	
Aided from Municipal Funds ...	...	...	..	...	...	...			
Others :—									
(1) Recognised ...	188	15,194	2,380	182	14,289	2,491			
(2) Un-recognized...	125	4,214	541	119	3,214	113			
Total ...	320	20,403	3,116	313	19,073	2,824	...	...	
Elementary Schools—Girls.									
Municipal ...	...	...	...	...	...	...	39,970	37,829	
Aided from Municipal Funds ...	...	...	...	...	...	...			
Others :—									
(1) Recognized ...	56	501	8,096	55	495	7,835			
(2) Un-recognized...	6	75	134	...	...	...			
Total ...	62	576	8,230	55	495	7,835	.	...	

Statement No. 2 giving particulars as to the qualifications of the Teaching Staff employed in institutions maintained or aided from Municipal Funds, (Corporation of Madras.)

Class of Institutions.	Number of teachers employed.	Number possessing professional certificates.	Number possessing general education certificates only.	Number entirely uncertificated.	Remarks.
Elementary Schools for Boys.					
Maintained by the Corporation { Males ...	(*a*) 71	53	17	1	(*a*) Includes 11 Handicraft Instructors. There are also 4 Kindergartan Instructors, one Supervisor and 2 Gymnastic Instructors, common to all the schools.
Maintained by the Corporation { Females ...	...	...	...	...	
Aided by the Corporation { Males ...	...	...	...	...	
Aided by the Corporation { Females ...	...	...	...	...	
Aided from Provincial Funds { Males ...	(*b*) 643	337	267	39	(*b*) Includes 5 Gymnatic Instructors and 3 Drawing Masters.
Aided from Provincial Funds { Females ...	30	15	15	...	
Elementary Schools for Girls.					
Maintained by the Corporation ...	...	...	...	...	
Aided by the Corporation ...	...	...	...	...	
Aided from Provincial Funds { Males ...	22	16	(*e*) 5	1	
Aided from Provincial Funds { Females ...	346	(*c*) 250	(*d*) 82	14	(*c*) Includes 1 Gymnastic Instructor. (*d*) Includes 3 Drawing Masters. (*e*) Includes 2 Drawing Masters.

APPENDIX IV.

ANNUAL REPORT OF THE ROYAPETTAH HOSPITAL FOR THE YEAR 1914-1915.

Accommodation.—The accommodation is for 76 patients, made up as follows :—

68 beds for Indians.

8 beds for Europeans and Eurasians.

Patients Treated.—2580 in-patients and 60,145 out-patients were treated during the year against 2287 and 60,470 respectively, in the previous year, showing an increase of 293 of the former and a decrease of 325 of the latter. Last year the number of cases of malaria unusually swelled the figures in the Out-patient Department.

Operations.—1261 in-patient and 3118 out-patient operations were performed, giving a total of 4379 for the year. The corresponding figures for last year were, 975 and 2835 with a total of 3810. A commendable increase.

Amount of Recoveries from patients who were treated in the Special Ward, at the rate of 8 annas a day, amounted to Rs. 541.

Establishment.—The establishment was sufficient. The toties are a constant source of worry, they have become quite independent and a considerable amount of tact has to be shown to retain their services.

Epidemics.—Cholera and smallpox were prevalent during parts of the year. Details from the Isolation Hospital will show the figures. Typhoid fever existed in an epidemic form, especially in Triplicane, and several of these cases were treated in the hospital.

Inspection and Remarks by Visitors.—Except for flitting visits from the President of the Corporation, the hospital is not troubled by visits from personages.

General Remarks.—A complete X-ray apparatus has been received and is expected to be in working order in a month or so from the date of this report. This acquisition will be of great help in the immediate detection of obscure fractures and internal abnormalities difficult to diagnose by the usual means. There were no European nurses at work during the year, it is impossible to procure really efficient women for nursing duties in the Madras Presidency. The six Indian nurses have performed their duties to the best of their abilities but this is not saying very much. The hospital is doing good work, thanks to the medical staff under my charge ; the pity is, that a considerable amount of clinical material goes to waste as we have no students attached to this hospital to take advantage of this rich educational pabulum. Tropical diseases are especially investigated and a complete and full series of coloured drawings of the skin diseases of the natives

of the Presidency is in progress. The artist of the hospital excels in depicting such affections and I may say, without fear of cavil, that the hospital possesses a set of coloured drawings of skin diseases of the people of the country, not possessed by any other institution in the East or for the matter of that, in the West either. The purport of these apparently vainglorious remarks is to throw out the suggestion that the teaching of tropical diseases should be undertaken by the staff of the Royapettah Hospital as a speciality. Calcutta has or will have, a Tropical School, Bombay has started, and why should Madras not take her usual part of Cinderella ?

ROYAPETTAH HOSPITAL,
14*th May*, 1915.

C. DONOVAN, LT.-COL., I. M. S.,
Surgeon, 4th District, Madras.

CONCISE ANNUAL REPORT OF THE CHINTADRIPET DISPENSARY, FOR THE YEAR 1914–15.

(11) *Accommodation.*—Accommodation is sufficient.

(2) *Admissions.*—The total number of patients treated and the daily average attendance were 33,876 and 266·67 as against 30,303 and 227·42, respectively, during the previous year. The number of operations performed was 1271, as against 1186 during the previous year. This shows that the dispensary maintained its popularity.

A statement showing the classes of diseases treated is attached.

(3) *Inspections.*—The dispensary was inspected frequently by the Surgeon, 3rd District, Madras, and occasionally by the Commissioner of the Division.

(4) *Establishment.*—No changes were made in the establishment during the year.

(5) *Finance.*—The total cost of maintenance of the dispensary was Rs. 3767-1-8 for the year as against Rs. 3542-13-7 in the previous year. The variation is due to the following causes :—

(*a*) *Establishment.*—The expenditure under this head was Rs. 2054-9-8 as against Rs. 2081-1-4 in the previous year. The excess in the previous year was due to the continuance of the services of the female ward attendant till 3rd May 1913, and to the paynent of a compounder's salary due for February 1913 in April following.

(*b*) *European Medicines.*—The cost of this was Rs. 981-5-8 as against Rs. 854-5-5 in the previous year. The increase in the number of patients treated augmented the quantity of medicines used.

(*c*) *Bazaar Medicines.*—This was *nil* as against Rs. 1-12-0 in the previous year.

(*d*) *Miscellaneous Charges.*—These amounted to Rs. 731-2-4 as against Rs. 347-10-10 in the previous year. The expenditure of bandage cloths went up to a great extent owing to the steady growth in the number of patients treated, however much efforts were taken to minimise their use. It is also to be noted that the cost of varnishing the dispensary furniture, articles, etc., was included under this head, which is an unforeseen expense for the year. Both these contributed to swell the expenditure under this head.

(*e*) *Buildings and Repairs.*—This was *nil* as against Rs. 258 in the previous year.

(*f*) *General Remarks.* Nil.

MADRAS,
21st May, 1915.

S. BALASUBRAMANIAM,
1st Grade Sub-Asst. Surgeon
In charge, Chintadripet Dispensary.

CONCISE ANNUAL REPORT OF THE WASHERMANPET DISPENSARY, FOR THE YEAR 1914-1915.

(*a & b*) *Nature and sufficiency of Accommodation.*

This dispensary was opened by the Corporation of Madras, on 2nd February 1913, to treat Malarial cases only. Since 1st January 1914 necessary provision has been made to treat all cases irrespective of malaria in a rented building, at No. 50. Tiruvottiyur High Road. Owing to want of proper accommodation the Surgeon, 1st District, has suggested having the dispensary shifted to another building in Tiruvottiyur High Road (Old Police Station) with necessary alterations which are now under construction.

(*c*) *State of repair of furniture.*—Good.

(*d*) *Inspection.*—During the year under report the dispensary has been inspected several times by the Surgeon, 1st District, Health Officer, Special Malaria-Officer and the President, Corporation of Madras.

(*e*) *Amount of recoveries.*—Not applicable.

(*f*) *Number of patients treated.*—The total number ofpatients that attended the dispensary were 19,338 with a daily average of 135·71. The most common diseases treated at the dispensary were—

Malaria	8394
All other diseases of digestive system	1799
Do. do. skin	1381
Ulcers	1132
Diseases of the ear	1039
All other diseases of respiratory system ...	937

The maximum number treated on any one day was 222, on 12th March 1915.

(*g*) *Operations.*—439 operations were performed during the year under report.

(*h*) *Establishment.*—Continues to be efficient and sufficient.

(*i*) *Work actually done by the Midwife.*—The midwife attached to this dispensary attends to the surgical dressings of the women and children from 7 to 10 A.M. daily. The present nurse has conducted 14 cases since the date of her appointment (7-11-1914 to 31-1-1915). A notice is posted at the institution that her services are available to the general public for confinement at all hours. The public are now beginning to utilise her services as frequently as the occasion may require.

MUHAMMAD ALLY,
Sub-Assistant-Surgeon in charge of
Washermanpet Dispensary.

(*j*) *General Remarks.*—The utility of the dispensary will be enormously increased when the new buildings are ready.

The register kept by the midwife shows very satisfactory progress.

MADRAS,
22nd May, 1915.

R. BRYSON, MAJOR, I. M. S.,
Surgeon, 1st District.

CONCISE ANNUAL REPORT OF THE BAULIAH NAYUDU DISPENSARY, VEPERY, FOR THE YFAR 1914-15.

The dispensary is situated in a central place quite convenient to the people residing in Pursawalkam, Kosapet, Kilpauk, Otary, Chulai and Vepery. Even people residing in distant places, such as Perambore, New Town, Egmore and Nungambaukam resort to the dispensary.

Establishment.—The establishment consisted of the following :—

1 Senior Grade Sub-Assistant Surgeon.
1 Second „ „
3 Compounders.
1 Nurse.
1 Male Ward Attendant.
1 Female do.
2 Peons.
1 Sweeper.

Besides the above, 2 peons were entertained temporarily to issue zinc tickets and thus prevent the rush of patients.

The total admissions of the out-door patients treated, during the year was 54,579 against 52,703 in the previous year.

2,142 minor surgical operations were performed during the year against 2,616 in the previous year.

The maximum number treated on any one day was 469, on 29th April 1914.

Statement showing the variations, as compared with the statistics of the previous year :—

	1913–1914.			1914–1915.		
	Rs.	A.	P.	Rs.	A.	P.
Establishment ...	3,052	10	3	3,167	10	1
European medicines ...	3,440	4	4	3,527	1	11
Bazaar medicines ...	5	6	6	...		...
Miscellaneous charges ...	1,095	11	5	306	15	7
Buildings and repairs ...	115	0	0	532	0	0
Hospital necessaries ...	743	5	7	1,011	4	2
Clothing ...	73	13	10	...		...
Total ...	8,526	3	11	8,544	15	9

The increase under the heading of establishment is due to the employment of two extra peons and the changes in the Senior Sub-Assistant-Surgeons. The increase under the head of European medicines is rather small and it does not require any explanation.

The increase under hospital necessaries is due to the increased number of admissions. The decrease under miscellaneous charges is due to the supply of furniture, etc., during the previous year.

On the whole there has been an increase of Rs. 18-11-10 in the total expenditure, during the year against Rs. 2990-2-6 in the previous year.

VEPERY, MADRAS,
24th May 1915.

S. SETH,
Senior grade Sub-Asstt. Surgeon,
In charge, Bauliah Nayudu Dispensary,
Vepery, Madras.

Forwarded.

W. MOLESWORTH, LT.-COL., C.I.E., I.M.S.,
Presidency Surgeon, II District,
25-5-15.

RAJA SIR RAMASAWMI MUDALIYAR LYING-IN-HOSPITAL.

REPORT ON THE WORKING OF THE RAJA SIR RAMASAWMI MUDALIYAR LYING-IN-HOSPITAL, FOR THE OFFICIAL YEAR 1914–15.

I. *Accommodation.*—The hospital consists of two caste wards and one non-caste ward, with a separate delivery ward with six beds. There is also a contagious shed for the segregation of all septic patients and those suffering from infectious diseases.

The following table gives the number of beds in each ward :—

No.	Name of ward	No of beds.	Remarks.
1	Lady Granville Ward ...	10	A caste ward.
2	Lady Ramaswami Ward ...	10	Do.
3	Victoria Jubilee Ward ...	16	Non-caste ward.
4	Delivery Ward (Albert Victor) ...	6	Delivery ward.
5	Contagious shed ...	8	For septic cases, infectious diseases.
	Total ...	50	

II. *The average daily sick including natural labor cases was*:—

(1) In-patients : 21·27 as against 21·04 of last year.
(2) Out-patients : 3·87 as against 3·14 of last year.

III. The total treated during the year was :—

(1) In-patients : 1269 as against 1082 of last year.
(2) Out-patients 838 as against 660 of last year.

This institution is a charity institution intended for the convenience of the Indian community only and the poor of all classes of the Indian community of Madras and its suburbs in the north, seek admission freely. European and Eurasian patients are not admitted except in cases of emergency.

IV. Medical pupils of the Sub-Assistant Surgeon-class in their final year of study receive clinical instruction in obstetrics in this institution. Indian pupil midwives are also trained here for a period of one year, after which they find employment under the various Municipalities and Local Boards.

V. The expenditure of the institution is met by the Corporation of Madras together with the endowment, the pay of the medical staff being met by the Government.

R. BRYSON, Major, I.M.S.

ANNUAL REPORT OF THE GEORGE TOWN DISPENSARY, FOR THE YEAR 1914–15.

Accommodation.—No changes or alterations were made during the year.

Repairs to buildings.—None.

Attendance.—43,046 out-patients were treated during the year, the daily average attendance was 299·75. Comparing these figures with those of the year

previous, there is a decrease in the number treated by 2135, and an increase in the daily average by 17·44. The decrease in the number treated can only be explained by the working of the newly opened dispensary in Washermanpet, and the treatment of cases of malaria by the malaria staff.

The most common diseases treated were, malaria 801:, diseases of the digestive system 6339, diseases of the ear 3764, injuries (general and local) 3552, ulcers 2658, diseases of the respiratory system 2246, fevers of uncertain origin 1995, diseases of the connective tissue 1718, diseases of the skin 1679. On comparing these figures with those of the previous year, a general reduction is obvious.

Operations.– 2501 minor operations were performed, these figures are less by 31, as compared with those of the previous year.

The statement showing the finance, attendance, and diseases treated is attached.

MADRAS,
9th June 1915

R. BRYSON, MAJOR, I. M. S.,
Surgeon, 1st District.

From

THE SENIOR PANDIT IN CHARGE,
Sree Kanyaka Parameswari Devastanam
Free Ayurvedic Dispensary, G. T., Madras.

To

THE PRESIDENT,
Corporation of Madras,
MADRAS.

Sir,

I have the honour to submit the report on the working of the S. K. P. D., Ayurvedic Free Dispensary, George Town, for the official year 1914-15.

Owing to the growing necessity for affording greater facilities to the suffering public, the trustees have been pleased to direct that the dispensary be kept open in the evenings also and this is being done with effect, from 6th November 1914. In recognition of the increased and useful work turned out by the staff, the Trustees have also been pleased to grant small increments to their pay.

There have been no changes in the staff of the institution.

During the year under report important and valuable *bhasmams*, etc., were prepared out of pure gold and other valuable articles administered to the patients.

The total number of patients treated during the year was 25,727 against 23,889 in the previous year and the average daily attendance 166·24 against 164·59 in the previous year. The increase in the number shows clearly that the dispensary is gaining in popularity.

The Hon'ble T. Zynulabdin Sahib Bahadur, B.A., Shums-ul-mulk, Member of the Local Legislative Council, and an eminent unani medical practitioner of the City, was pleased to visit the institution in the course of the year and observed as follows :—

" I was exceedingly glad to learn that medicines are prepared according to shastric rules and that everything is kept in a systematic way. I have no doubt whatever that this dispensary is serving the public very usefully. In my opinion, the annual contribution of Rs. 500 made to it by the Madras Corporation is very insufficient."

The accompanying statements furnish details of the various diseases for which the patients were treated, the income of the institution and the expenditure under several heads.

The several registers have been carefully maintained in the prescribed form and the periodical returns submitted punctually.

I have the honour to be,
Sir,
Your most obedient servant,

C. C. SUBRAMANIA SASTRI,
Senior Physician.

THE KALYANI HOSPITAL, MYLAPORE.

Report for the year 1914-15.

During the year under review the Committee has suffered a serious loss through the death of Mrs. N. Subrahmanyam, who had been one of its members since the foundation of the hospital, and who took the keenest interest in the work and development of the institution with which her husband's name will always be associated. Her place on the Committee has been taken by her son, Mr. Angelo Rama Rao.

The Committee is grateful to Surgeon-General Bannerman, who at its request visited the hospital during the year.

In December, Dr. Dodge, who had been in charge of the hospital for three years, had a complete breakdown of health. On her transfer Dr. E. E. Tucker, of the Wesleyan Mission Hospital, Ikkadu, took charge for a month. In January the Committee was fortunate in securing the services of Mrs. Dr. Simonsen, who is now in charge with an Indian lady apothecary, as assistant. With this increased staff, the efficiency of the hospital has been greatly increased, and its field of usefulness has been extended. There is every reason to hope that the current year will show distinct advance on all that have gone before, but for this to be sustained the steady support of the local public is urgently required ; by far the larger part of the hospital's income still comes from abroad.

J. S. M. HOOPER,
Honorary Secretary, Committee of Management of the Kalyani Hospital, Mylapore.

14th May, 1915.

SAN THOME DISPENSARY,
MADRAS, 24*th May* 1915.

From

M.R.Ry. RAO BAHADUR G. NARAYANASWAMI CHETTI GARU,
Honoray Secretary and Treasurer,
San Thome Dispensary,
San Thome, Madras.

To

THE PRESIDENT,
Corporation of Madras,
MADRAS.

SIR,

I have the honour to submit herewith the report on the working of the San Thome Dispensary, for the year 1914–1915.

History.—This institution is in existence for the past 41 years. It was established by Bishop Strachn, M.D., of the S. P. G. Mission in 1874. Its objects are to afford medical aid and surgical relief to the several charitable institutions in and around San Thome and the poor of all classes of the community, without reference to caste, creed or nationality.

Means of support :—The dispensary is maintained by a monthly grant of Rs. 66-10-8 and an annual grant of Rs. 300 from the Corporation of Madras, supplemented by private contributions.

Constitution.—The management of the dispensary is in the hands of a representative Committee with the Health Officer, Corporation of Madras, as its Chairman.

Accommodation.—The building in which the dispensary is located is the property of the S.P.G. Mission for which a nominal rent of Rs. 10 per mensem is being charged by the Mission. It is suitable to its requirements. As the mission has not done the required repairs, the Comittee is carrying out necessary repairs, etc., from its own fund.

Establishment.—The staff consists of one Sub-Assistant Surgeon, one compounder, a peon and a sweeper.

Out Relief.—During the year under report 10,412 new cases were treated against 10,774 during the past year, the average daily attendance being 64·33 against 64·29 in the previous year.

The decrease of 362 cases may be attributed to the removal of a big Paracherry in Rosary Church Road, close by San Thome Cathedral, and also to the declining of malaria and other allied fevers, by the vast improvements done by the Corporation to the low lying grounds around Mylapore.

Operations.—644 operations of minor nature were performed during the year.

Income.—The total income of the year from all sources was Rs. 1,892-3-0.

Working of the Establishment.—The dispensary is opened daily from 7 A.M. to 10 A.M., for treatment.

Administration.—The dispensary was inspected on several occasions by the President of the Madras Corporation, the Health Officer and the Special Malaria Officer, during its working hours.

During the year the Committee met on three occasions for the transaction of business.

General Remarks :—The dispensary maintains its popularity as usual and continues to do its good work to all in and around San Thome and Mylapore, but it is a great pity that people whose servants and employees derive great benefit from the dispensary do not support it by contributions.

The Sub-Assistant Surgeon Mr. F. Immanuel Pillai, in charge of the dispensary has done useful work and takes great interest in the discharge of his duties.

The dispensary statistics are added.

I have the honour to be,
Sir,
Your most obedient servant,

G. NARAYANASWAMI CHETTI,
Honorary Secretary and Treasurer,
San Thome Dispensary, Madras.

No. 121, V. C. G. H.
Enc. two

GOVERNMENT HOUSE,
Ootacamund, dated 5th June 1915.

From

MAJOR F. F. ELWES, M. D., C. I. E., I. M. S.,
Honorary Secretary, Victoria Caste
and Gosha Hospital, Madras.

To

THE PRESIDENT,
Corporation of Madras,
MADRAS.

SIR,

Owing to Rao Bahadur G. Narayanaswamy Chetty having resigned the office of Honorary Secretary to the Governors of the Victoria Caste and Gosha Hospital, Madras. I have the honour to submit the usual returns showing the work of the Hospital, during the year 1914-15.

2. This hospital, founded as a charitable institution in 1885, exclusively for caste and gosha women, has been supplying usual medical aid to the suffering women, both of Madras and the Mofussil, who for various reasons are unable or unwilling to go to any of the Government hospitals.

3. The total number of patients treated during the year is 15,509 as against 19,114 in the previous year; the number of Hindu and Muhammadan patients (both in and out) being 11,532 and 3,927, respectively. The total number of labour cases treated during the year was 644 as against 893 in the year preceding.

There has been a distinct falling off in the number of patients both in, and out-patients treated and in the number of maternity cases attended. This is doubtless due to the frequent changes of the Superintendent which unforeseein circumstances have necessitated, but the popularity of the institution, the Committee feel sure, will very shortly be re-established with Miss V. E. M. Bennett, M. B. B. S., (London) D. P. H. (Cantab) as permanent Superintendent.

4. The Governors tender their grateful thanks to the following gentlemen for the material assistance rendered by them:—

1. The Zamorin of Calicut.
2. The Raja of Cannanore.
3. The Raja of Kollengode.
4. Raja Venugopal Bahadur.
5. The Zemindar of Devakkottai.
6. The Zemindar of Singampatti.
7. Rao Sahib C. Kannan Chetty.
8. M.R.Ry. C. Ramanujam Chetty Avargal.
9. M.R.Ry. S. R. M. M. Annamalai Chetty, Avargal.
10. M.R.Ry. M, Ct. Muthiah Chetty Avargal.
11. Mr. Abdul Qadir Sahib.
12. M.R.Ry. S. R. M. M. Ramaswamy Chetty Avargal.

5. At the annual meeting of the Governors of the hospital held on 9th April 1915, it was pointed out that the financial condition of the hospital was not very satisfactory and from the budget estimates for 1915, it is estimated that there is likely to be a deficit of about Rs. 6,000 on the year's working. The Managing Committee of the hospital, *i.e.*, the Countess of Dufferin's Fund Committee, have however recently adopted several measures with a view to increasing the income and reducing the expenditure, but these will only come into force during the present year.

6. The Governors thank the Commissioners of the Corporation of Madras for their annual contribution of Rs. 1,000 towards the hospital.

I have the honour to be,
Sir,
Your most obedient servant,

F. F. ELWES, M.D., C.I.E., MAJOR, I.M.S.,
Honorary Secretary, V. C. & G. Hospital.

THE VENKATARAMANA DISPENSARY, MYLAPORE.

Report for the year 1914-1915.

The dispensary continued its useful work during the year. The total attendance was 45,005 against 41,918 in 1913-14. The average daily attendance was 123 against 115 in the previous year.

The amount of subscriptions was Rs. 841 against Rs. 1,245 in 1913-14. One gentleman was unable to continue his subscriptions, three others have been in arrears.

The capital of the institution stands at Rs. 31,000. Rs. 28,000 is invested on mortgage of immoveable property and Rs. 3,000 is invested in Nattukottai Chettis' firms.

The Corporation of Madras has been kind enough to continue its contribution of Rs. 100 for the year. The previous year's subscription too was paid during 1914-15. Hence the sum of Rs. 200 shown in the statement attached hereto.

The Venkataramana Dispensary,
Mylapore,
26th June, 1915.

A. KRISHNASWAMI AIYAR,
for Secretary.

San Thome Convent,
San Thome,
21st May 1915.

From,

THE LADY SUPERIOR,
Saint Thomas' Convent Dispensary,
San Thome, Madras.

To

J. C. MOLONY, Esq., I.C.S.,
President.

Sir,

I have the honour to forward herewith the statistics and report for the year ending March 1915, and hope they will be found correct.

1. The Convent is composed of two orphanages, three schools, and an Asylum for old women.

2. The total of deaths being only 42, gives a percentage of 4 per 1,000.

At present the dispensary is undergoing repairs, but the dispensary continues its useful work at another local building of the Convent which opens on the Kutcheri Road.

The dispensary was inspected by the Health Officer of the Corporation of Madras.

The total number of new cases treated during the year was 11,377 against 7,300* in the previous year, showing an increase of 4,077 cases. The average daily attendance was 264 against 88·22.*

The increase in the new cases is due especially to cases of malaria, and other allied fevers	722
Other Diseases of the skin	2,762
Diseases of the ear	615
Diseases of the eyes	290
Injuries	344
Ulcers	278

Operations.

Operations, 232, of a superficial nature were performed during the year.

The increase in the daily average of sick patients demands more medicines and miscellaneous needs and the dispensary is sustained only by the Convent and Municipality.

We would be very thankful, dear sir, if you would be so good as to recommend us for a special aid or an increase of monthly grant for the current year at least.

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* This is now reported to be the correct figure.

Statement showing the diseases treated in the undermentioned Hospitals and Dispensaries during the year 1914-15.

	Name of Diseases.	Hospital and Dispensaries.														
		George Town Dispensary.	Washermanpet Dispensary.	Baliah Naidu Dispensary.	Chintadripet Dispensary.	San Thome Dispensary.	St. Thomas' Convent Dispensary.	Victoria Hospital for Caste and Gosha Women.	Raja Sir Ramaswamy Mudaliar Maternity Hospital.	Sri Kanyaka Parameswari Devastanam Ayurvedic Dispensary.	Venkataramana Dispensary.	Rayapettah Hospital.	Kalyani Hospital.	Isolation Hospital.	Total.
Infective Diseases.	Cholera	4	1	...	...	...	5	1	...	...	70	7	...	194	282
	Dysentery	1,067	369	1,606	1,018	369	195	335	77	90	1,508	2,275	315	6	9,230
	Enteric fever	...	...	...	...	...	1	1	...	...	144	73	5	...	224
	Gonorrhœa	218	19	82	124	15	3	30	...	87	470	1,406	203	...	2,657
	Kala-Azar	5	6	...	...	...	...	...	...	...	...	65	...	...	76
	Leprosy	6	3	...	7	10	30	...	...	...	45	...	1	...	102
	Malaria	8,011	8,394	7,874	3,293	793	486	875	145	7,255	1,296	5,661	417	...	44,500
	Plague	...	...	...	...	...	...	...	...	...	...	...	...	1	1
	Pneumonia	42	8	6	127	2	4	14	...	...	35	77	61	1	377
	Pyrexia of uncertain Origin	1,995	88	6,674	3,100	288	...	1	75	...	3,848	1,962	503	4	18,538
	Rheumatic fever and Rhematism	387	439	1,925	985	283	235	638	15	354	576	4,690	329	...	11,856
	Small-pox	1	1	...	...	3	...	...	...	...	...	..	2	87	94
	Syphilis (primary and secondary)	726	39	109	74	38	56	81	3	30	403	1,009	319	1	2,888
	Turbercle of the lungs	85	7	4	76	4	48	5	...	47	9	55	213	...	553
	Other Tubercular Diseases.	54	27	10	20	6	26	29	...	...	235	29	267	...	703
	All other infective diseases	110	5	35	25	51	321	34	2	...	932	27	513	20	2,075
Other General Diseases.	Anæmia	451	34	2,048	19	156	1,625	606	35	368	1,556	2,444	263	...	9,605
	Diabetes	30	16	6	28	1	28	...	...	45	136	19	54	...	363
	Scurvy	2	...	2	...	...	...	...	...	...	...	...	...	...	4
	New growths (Non-Malignant)	18	...	9	4	...	744	15	...	...	554	19	203	...	1,566
	New growths (Malignant)	7	5	...	1	...	214	13	...	...	365	52	71	...	728
	All other general diseases	2,650	739	3,349	2,181	164	236	869	18	7,470	893	6,701	317	47	25,634
Diseases.	Diseases of the nervous system	885	580	1,589	571	216	28	201	34	378	962	1,493	108	...	7,045
	Diseases of the eye	643	143	834	403	199	290	194	1	91	2,003	966	126	...	5,893
	Diseases of the ear	3,764	1,039	1,940	2,544	847	615	749	4	1,915	2,092	1,429	317	...	17,255
	Diseases of the nose	337	9	455	36	26	14	44	...	17	1,104	281	151	...	2,474
	Diseases of the circulatory system	206	40	600	24	31	112	15	43	142	103	193	260	...	1,769
	All Diseases of the respiratory system except Pneumonia and Tubercle of the lungs	2,246	937	6,599	5,152	1,146	428	880	176	1,044	2,072	5,131	501	...	26,312
	Dyspepsia	713	130	244	368	513	328	1,059	...	...	2,348	2,131	...	...	7,834
	Diarrhœa	988	223	126	367	353	278	518	37	...	2,200	1,533	...	...	6,623

SYSTEMIC	Abscess of the liver	17	2	1	...	...	...	...	...	...	3	9	...	...	32
	All other diseases of the liver	280	30	260	453	16	24	33	..	...	720	104	...	...	1,920
	Appendicitis	4	2	...	1	...	...	6	...	...	...	...	...	...	13
	All other diseases of the digestive system	4,337	1,799	7,472	5,713	2,079	223	2,559	158	1,807	3,035	4,232	1,013	...	34,427
	Inflammation and suppuration of lymph glands	419	63	122	148	65	156	20	...	...	203	1,265	248	...	2,709
	Goitre	8	...	...	...	...	8	1	...	...	96	...	10	...	123
	Brights disease	205	18	104	37	14	15	61	...	...	...	143	76	...	673
	All diseases of the urinary system	246	62	437	58	26	24	237	18	104	2,478	671	315	...	4,676
	Hydrocele	55	3	43	18	30	36	...	...	63	1,080	721	...	...	2,049
	Other diseases of the generative system	367	172	867	410	112	26	2,263	221	198	1,832	2,575	436	...	9,479
	Diseases of the organs of locomotion	348	56	200	31	15	126	2	...	...	1,520	1,410	311	...	4,019
	Diseases of the connective tissue	1,718	608	3,785	1,151	434	186	754	11	...	423	2,227	237	...	11,534
	Ulcers	2,658	1,132	1,615	1,130	879	278	280	...	3,302	2,360	2,113	135	...	15,882
	Other diseases of the skin	1,679	1,381	2,078	2,526	686	2,762	1,065	15	817	4,495	2,098	370	3	19 975
	All other local diseases	457	1	82	14	...	816	...	...	...	505	156	419	...	2,450
GENERAL AND LOCAL.	Injuries (General and Local)	3,552	706	1,180	1,638	395	344	354	12	103	101	5,265	223	...	13,873
	Poisons — By Opium	...	...	...	...	...	..	...	...	...	...	3	...	...	3
	Poisons — By Other poisons	45	...	207	1	150	...	23	...	...	195	5	...	...	626
	Labors — Normal	...	...	...	...	...	...	489	709	...	...	...	327	...	1,525
	Labors — Abnormal	...	2	...	...	...	...	155	298	...	...	...	15	...	470
	Total...	43,046	19,338	54,579	33,876	10,412	11,377	15,509	2,107	25,727	45,005	62,725	9,654	364	333,719
	Operations	2,501	439	2,142	1,271	644	232	1,851	...	...	...	4,379	111	...	13,570

Statement showing the attendance of Patients treated, the income and the expenditure of the undermentioned Hospitals and Dispensaries, during the year 1914-1915.

Name of Hospital.	Total number treated.		Average daily attendance.		Percentage of deaths to total in-door treated.	Income.									Expenditure.																				
	In-door.	Out-door.	In-door.	Out-door.		From subscription, &c.			From Government.			From Municipality.			Establishment.			Diets.			European Medicines.			Bazaar Medicines.			Miscellaneous.			Repairs to Buildings, etc.			Total.		
						Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Royapettah Hospital ...	2,580	60,145	66·81	371·77	3·7	541	0	0	5,136	0	0	61,379	0	6	11,640	9	9	8,208	1	6	9,804	11	4	2,204	12	0	12,343	13	11	17,718	...	...	61,920	0	6
George Town Dispensary ...	...	43,046	...	299·75	...	...	...	...	...	...	...	11,004	3	0	4,360	14	3	...	...	...	4,035	5	3	27	6	0	2,580	9	6	...	...	...	11,004	3	0
Washermanpet Dispensary...	...	19,338	...	135·71	...	...	...	...	...	...	..	5,514	2	4	1,823	1	2	...	...	...	3,036	13	2	.....		.	654	4	0	...	...	...	5,514	2	4
Bauliah Naidu Dispensary...	...	54,579	...	321·06	...	...	...	...	...	...	...	8,544	15	9	3,167	10	1	...	...	...	3,527	1	11	...	.	...	1,318	3	9	532	0	0	8,544	15	9
St. Thomé Dispensary ...	...	10,412	...	64·33	...	292	3	0	...	...	.	1,600	0	0	631	0	0	...	..	...	400	7	0	13	7	0	244	6	9	70	0	0	1,359	4	9
St. Thomas' Convent Dispensary	1,896	9,481	44	220	0·4	.	...	...	...	...	...	240	0	0	980	0	0	678	0	0	1,020	0	0	344	0	0	318	0	0	...	..	...	3,340	0	0
Victoria Hospital for Caste and Gosha Women ...	1,855	13,654	56·89	111·69	1·89	710	0	0	1,000	0	0	1,000	0	0	12,537	10	8	4,969	5	4	1,946	8	9	950	2	9	51,697	1	9	944	5	4	73,045	2	7
Venkataramana Dispensary.	...	45,005	...	123	...	4,387	14	3	...	...	..	200	0	0	3,101	10	3	3	1	0	...	...	...	1,533	7	1	253	13	7	288	10	8	5,180	10	7
Isolation Hospital ...	364	...	8·03	...	14·81	...	...	...	...	...	...	5,285	10	5	3,013	3	10	233	7	4	...	...	...	120	6	6	1,578	8	9	340	0	0	5,285	10	5
Chintadripet Dispensary ...	...	33,876	...	266·67	...	...	...	...	...	...	...	3,767	1	8	2,054	9	8	...	...	...	981	5	8	..	...	...	731	2	4	...	...	...	3,767	1	8
Raja Sir Ramaswamy Mudaliar Maternity Hospital	1,269	838	21·27	3·87	1·81	932	14	7	300	0	0	15,701	9	2	3,023	6	4	2,466	0	9	...	...	...	...	...	...	4,541	0	8	6,904	0	0	16,934	7	9
Kalyani Hospital ...	462	9,192	1·3	25·2	0·9	5,318	9	3	630	0	0	600	0	0	4,275	12	1	787	8	0	192	9	2	...	...	...	1,375	4	11	40	14	6	6,672	0	8
Sri Kanyaka Parameswari Devasthanam Ayurvedic Dispensary	...	25,727	...	166·24	...	2,563	8	3	...	...	..	1,000	0	0	1,935	14	7	...	...	...	...	...	...	687	8	3	280	6	5	159	11	0	3,063	8	3

REPORT ON THE GENERAL CONDITIONS OF THE CITY OF MADRAS WITH REGARD TO MALARIA AT THE END OF 1914.

Captain Hodgson, I.M.S., was Special Malaria Officer from the commencement of the year to 19th September 1914 when he was called for active service and Captain Russell, I.M.S., conducted the anti-malarial operations till the close of the year.

1. *Malarial Survey.*

(*a*) *Spleen Index.*—The census of spleen rate in children under 10 years of age started in December 1913 in order to determine which parts of Madras were most severely affected by malaria, was completed during the year. The following figures show the number of children examined and the percentage of children with a splenic enlargement:—

Division.		Total No. examined.	No. with enlarged spleen.	Percentage.
Tondiarpet ...	1	1,587	270	17·01
	2	3,811	680	17·84
	3	486	147	30·24
George Town.	4	1,265	93	7·35
	5	1,988	149	7·49
	6	2,435	273	11·21
	7	4,224	378	8·94
	8	2,295	227	9·89
	9	1,794	120	6·68
Perambur, Pursawakam and Vepery.	10	973	77	7·91
	11	4,658	151	3·25
	12	1,987	116	5·83
	13	1,062	7	0·65
	14	342	8	2·33
	15	596	6	1·00
	16	2,764	220	7·96
Triplicane, Royapettah & Mylapore.	17	1,292	22	1·70
	18	770	19	2·47
	19	1,417	123	8·68
	20	89	3	3·37

It will be seen from the above that the parts of Madras affected most are Tondiarpet, George Town, Vepery, Pursawakam and Mylapore. It may be said at present that Egmore and Nungambakam are apparently free. The apparent high index of George Town is probably to be attributed to the greater incidence of kala-azar cases in that area, and in the usual way in which the splenic index is taken, it is inevitable that the two diseases get mixed up. This observation is strengthened by the statistics showing the number of malaria cases treated daily and monthly in the three malaria dispensaries in the City. In the current year 1915, it is proposed to compare these figures with those obtained by a simultaneous survey of spleen rate and the parasite rate. A special chart of the splenic index percentage in the several divisions of Madras has been already submitted by Captain Hodgson with his observations.

(*b*) *Mosquito Survey.*—The topographical survey of all wells, tanks and ponds was finished during the year and these are being plotted into permanent books. Survey of the breeding places of anopheline mosquitoes was completed and these are also being marked into the permanent books. The several varieties of mosquitoes which were bred out in the laboratory from larvae collected from ponds, tanks and wells are as follows:—

A. Rossii, A. Barbirostris, A. Fuliginosus, A. Culicifacies, A. Listoni, A. Ludlowi, A. Jamesi, A. Nigerrimus and A. Stephensii. A. Stephensii is the chief mosquito breeding in the domestic wells of Madras.

Adult mosquitoes were caught, and next to A. Rossi a non-malaria carrier A. Culicifacies was by far the most common mosquito obtained among the malaria-carrying species. A. Ludlowi, A. Stephensii, A. Jamesi, A. Fuliginosus, A. Listoni and A. Nigerrimus were obtained as well although in smaller numbers. 98 mosquitoes were dissected during the end of the year with a view to demonstrate the malaria-carrying mosquito in Madras by finding the sporozirts in the salivary glands but not one has as yet showed a positive result. This work is being continued and the results will be noted in subsequent reports.

2. *Anti-Malarial Measures.*

(1) *Cleaning of Wells and Tanks.*—All tanks and wells in Mylapore and Pursawakam were cleaned once and those in Tondiarpet thrice during the year. As has been already pointed out, the system of getting each owner to clean his own tank was found most unsatisfactory in almost every case and legal proceedings ending in the conviction of the defaulter by a meagre fine of from annas 4 to Rs. 2, resulted in the owner proposing to pay the fine and do nothing. This work was undertaken by the Corporation by the appointment of a number of cooly gangs under an out-door assistant and is being carried out regularly and thoroughly. The following is the total number of tanks and wells cleaned and recleaned :—

	Number of Tanks & Ponds.
Tondiarpet	323
Pursawakam	26
Mylapore	46

(2) *Oiling.*—Petrolising tanks and stagnant pools and disused wells was continued regularly once a week in all the three affected divisions :—

	Tanks, Ponds & Pools.
Tondiarpet	422
Pursawakam	230
Mylapore	119
Perambur	15

Besides, the Ottary nullah, Madavakam tank, Spur tank and portions of the Cooum were cleaned and the tanks of Chepauk were once cleaned by this department.

(3) *Fish introduction into wells.*—Covering of wells with a wire gauze top was found unsatisfactory if not valueless in almost every instance and this form of covering has been done away with. The introduction into the wells of the common larvicidal fish was carried out during the year and 5510 wells were so treated with fairly good results, that is, anopheles larvae that were found breeding in wells disappeared after the introduction of these fish into them. A special report about this will be submitted shortly.

(4) *Reclamation.*—An out-door assistant and two malaria supervisors were appointed to be in charge of this work and 4 motor lorries were purchased by the Corporation. These were worked from June 1914 before which the work of filling was done by hand-carts of the Health Department.

Place.	No. Filled.	Quantity of Earth-work done.
Tondiarpet	... 34 tanks	... 9,92,517 cubic feet.
Purasawakam	... 3 tanks and 2 lowlands	... 1,66,661 do.
Mylapore	... 2 big tanks and one big lowland	... 1,61,954 do.

Only such places as were shallow and completely disused were selected for reclamation work.

(5) *Drainage.*—The drainage scheme for dealing with the water-logged area belonging to Govenment and private owners in Pursawakam could not be undertaken for want of an efficient Engineer. This work has, under recent Government orders, been put into execution by the Special Engineer assisted by a Special Assistant Engineer of the Corporation.

3. *Treatment.*—Statement II gives the figures of cases of malaria treated in dispensaries and by nurses.

Dispensaries.—In Tondiarpet three dispensaries continued working during the whole year and the total number of cases treated is 40,038 as against 50,564 in 1913. In Purasawakam a malaria dispensary was opened only in May 1914 and worked for the rest of the year treating 23,949 cases.

Nurses.—Five nurses were working in Tondiarpet during the whole year and 40,390 cases were treated by them as against 30,806 in 1913 during which year six nurses were employed there from May till October and four from October to the end of the year.

In Purasawakam in 1913 one nurse only was working from October to the end of December and she treated 959 cases. This nurse continued by herself till May 1914 when a second was appointed so that between May and December 1914 two nurses were working in this division and they attended to 18,422 cases.

In Mylapore only one nurse was engaged from October 1913 to March 1914 when a second nurse was appointed so that between October and December 1913 only 1,121 cases were treated and during 1914 the number of cases treated is 18,306.

In making a comparative study of these figures it must be noted that the number of nurses appointed and posted to the several divisions varied from time to time according to the conditions of malarial fevers in these localities, and the number, working in a division, was not the same in all parts of the year. Again there was no dispensary in Purasawakm in 1913 and until May 1914. It would therefore be necessary to work out a proportion on these figures and to make comparisons of periods where equal facilities were offered for medical attendance. In this way it will be seen that the number of cases of malaria admitted into dispensaries and treated by nurses is less in 1914 than in 1913.

Concluding Remarks.—The deaths from all fevers including malaria in 1914 was 3,453 as against 3,831 in 1913 and the malarial mortality for 1914 is 2,658 as against 2,788 in 1913. From this and what has been already said in the last paragraph, conclusions regarding the efficacy or otherwise of the anti-malarial measures now in operation have to be drawn and in doing so the following conditions have to be noted :—

(1) In the City of Madras, as in other parts of India, there are in the year two seasons for malaria—an *autumnal season* in November, December and January and a *spring season* in March, April and May. All fresh infections occur between middle of October and middle of April. It is therefore fallacious to compare the quiescent period of one year with the virulent period of the other year or *vice versa.* Appended are the *charts prepared to show the monthly comparative mortality as well as the seasonal variations above referred to.

(2) Malaria, except in very virulent epidemics, runs a rather chronic course and disables the victim for varying periods before it kills him. Hence the figure for malarial admissions is, in a sense, a more valuable indicator of the increase or decrease of malaria than the figure for malarial mortality.

(3) A number of people from villages just beyond the municipal limits resort to malaria dispensaries close by, as for example, the people from Tangal just beyond the northern limits to the Dhobipet dispensary : this number has, strictly speaking, to be deducted from the total admissions ; in any case it is permissible to say that the above figures certainly do not underestimate the incidence of malaria.

(4) The severe outbreak of cholera in the winter months of 1914 just at the very period when malaria shows its marked seasonal rise, is an important disturbing factor to be counted upon.

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* These are not printed.

(5) Taking the specially malaria-stricken districts seriatim, *Tondiarpet* showed a gradual increase in the number of cases treated during the last quarter of 1914, but in no time was there any severe or sudden epidemic. It is rather suggestive to note that many of the admissions are from in and around the weavers' quarters and that one species of malaria-carrying mosquitoes, *viz.*, An. Stephensi shows a great partiality to the stagnant water of the so called "dyeing pots," that is, mud pots buried underground and reaching flush with the level of the surrounding ground and used, *once in a way*, for the purpose of preparing solution of dyes but allowed to contain stagnant water for the remaining portions of the year. These have been departmentally oiled now and again but the result is not satisfactory. The only satisfactory way of dealing with these is to bale out the water and keep them dry. It is trusted the nuisance can be tackled by the Health Officer who has accordingly been requested to help this department in this direction.

The same remarks apply with equal force in the case of paddy pots in this division.

George Town.—The area near Wall-tax Road and that facing General Hospital and Fort seem to be the zones specially affected and in all probability the very unsatisfactory condition of the Buckingham Canal in this region and especially of the 'old moat' in the Salt Depot is mainly responsible. (A special report on this is under preparation).

Mylapore.—There was little or no tendency to increase during the year.

Vepery and Choolai.—From a malarial standpoint these are only important as being contiguous to the severely affected area of Pursawakam.

Pursawakam.—There was a severe outbreak of malaria in the second quarter of 1914 and although the number of cases was very great in the division, the outbreak fortunately occurred in the spring and not in the autumn, so most of the cases were benign tertian malaria and few people died. Besides the opening of a malaria dispensary and the appointment of an extra nurse in May 1914 have helped us a great way in cutting short the outbreak. We may have to face such sharp outbreaks of malaria here in its present water-logged condition, especially until the drainage scheme now in hand is worked out and put into operation. On the whole, it will be noticed that the anti-malarial operations have only just begun and a good lot more remains yet to be done ; nevertheless it is encouraging to note that not only has the number of attacks (as roughly judged by the admission to the Corporation dispensaries) diminished during the year under review but the total malaria mortality also shows a decrease. It is confidently hoped that when the anti-malaria measures are all complete, the scourge of malaria will disappear from Madras once and for ever.

K. RAGHAVENDRA ROW,

26th May 1915.

B.A., M.B. & C.M.,

Special Malaria Officer, Corporation of Madras.

I

Statement showing the expenditure under various headings for the year 1914.

Months.	Cost of Lorries.	Establishment.	Amount spent for filling, cost of petrol and repairs to lorries.	Oiling, Cleaning, Fishermen, Mosquito Catchers, Process Servers, Bush-Cutting, Survey Lascars, Fitters and Coolies, cost of Liquid Fuel.	Laboratory Equipments, Cost of Stationery and Printing.	Contingencies, rent of buildings, Census, etc., and Drainage.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
January ...	Nil.	5,080 3 10	1,936 5 6	394 4 1	181 4 6	149 6 6	7,741 8 5
February ...	12,207 8 0	3,769 10 6	3,240 5 2	465 9 2	240 15 5	1,396 2 1	21,320 2 4
March ...	12,207 8 0	4,912 4 8	7,116 4 5	650 1 3	303 0 4	3,704 2 6	28,893 5 2
April ...	Nil.	4,824 11 11	2,226 3 4	4,983 5 10	241 5 1	1,835 14 1	14,111 8 3
May ...	Nil.	4,537 0 8	2,279 9 10	6,320 11 2	Nil.	3,223 4 4	16,360 10 0
June ..	24,415 0 0	5,026 2 2	2,845 13 11	7,263 5 9	3 0 0	347 7 1	39,900 12 11
July ...	Nil.	5,873 11 2	2,924 14 8	5,960 5 2	817 4 4	2,321 5 5	17,897 8 9
August ...	Nil.	5,623 9 11	2,778 6 4	6,757 5 11	254 4 2	6,234 6 11	21,648 1 3
September ...	Nil.	6,218 11 8	3,860 0 6	6,167 9 6	10 0 0	3,345 2 11	19,601 8 7
October ...	Nil,	4,142 4 3	6,762 1 9	4,236 13 1	267 5 8	3,507 4 9	18,915 13 6
November ...	Nil.	4,393 9 6	7,034 9 2	3,990 5 11	432 1 1	1,763 1 3	17,613 10 11
December ...	Nil.	4,959 8 9	5,783 3 0	3,787 12 9	93 14 5	1,137 6 11	15,761 13 10
						Total ...	2,39,766 7 11

Statement showing the number of cases of Malaria treated in the Malaria Dispensaries in Tondiarpet and in Purasawakam and by the Nurses appointed for the purpose in 1913 and 1914.

Place.	Years.	January.	Febry.	March.	April.	May.	June.	July.	August.	Septem-ber.	October.	Novem-ber.	Decem-ber.	Total.
Tondiarpet, (*a*) 1st, 2nd and 3rd Malaria Dispensaries ...	1913	...	7,617	11,368	7,152	5,551	3,574	2,302	2,681	2,216	2,848	2,248	3,007	50,564
	1914	3,076	3,224	3,348	2,705	2,309	1,654	2,439	2,984	3,584	4,558	5,199	4,958	40,038
(*b*) Nurses ...	1913	...	...	...	...	2,683	5,598	5,458	6,966	4,880	1,332	1,771	2,118	30,806
	1914	2,546	2,923	4,732	2,897	2,788	2,866	3,585	3,097	2,794	3,352	3,632	5,178	40,390
Purasawakam (*a*) Dispensary ...	1913	...	...	...	...	...	...	...	...	...	...	...	...	...
	1914	...	...	...	...	3,866	5,226	3,033	2,238	2,471	1,982	2,339	2,794	23,949
(*b*) Nurses ...	1913	...	...	...	...	...	...	...	...	...	145	445	369	959
	1914	240	223	581	704	2,428	2,635	2,678	2,058	1,779	1,924	1,565	1,607	18,422
Mylapore Nurses ...	1913	...	...	...	...	...	...	...	...	...	180	319	622	1,121
	1914	1,079	627	1,387	1,599	1,835	1,572	1,021	965	1,689	1,756	2,499	2,277	18,306

The figures represent the totals of new and the old cases treated every month at the dispensaries and by the nurses.

APPENDIX VI.

Description of the opening of the Madras Water-works as given in the "Madras Mail" of 18th December 1914.

THE MADRAS WATER-WORKS.

OPENED BY HIS EXCELLENCY THE GOVERNOR.

Yesterday evening His Excellency the Governor performed the interesting ceremony of inaugurating the New Water-works at Kilpauk. The ceremony was attended by a very large gathering of the citizens of Madras, whose presence in such numbers bore ample testimony to their appreciation of the labours of the Special Works Department of the Corporation of Madras in completing the most important part of the new water-supply scheme, which is destined to give the populace a more copious and a purer supply of water than it has been hitherto accustomed to get from the Red Hills Lake. The public was, moreover, enabled to take a more intelligent interest in the proceedings of the evening by the forethought which prompted Mr. J. W. Madeley, the Special Engineer, to furnish it with excellent photographs, giving a general view of the water-works at Kilpauk, and with plans showing the general arrangement of the filters, pure water tanks, the pumping station and the elevated tank, drawn to scale. In addition to these, Mr. Madeley issued an interesting booklet, containing a description of the new works, illustrated by photographs, which will form a most acceptable souvenir of an interesting and memorable function. A special copy of this publication, bound in leather and printed on high-class art paper, was presented to His Excellency.

Among those present were the Hon'ble Sir Harold Stuart, the Hon'ble Mr. P. S. Sivaswamy Iyer, the Hon'ble Sir Francis Spring, the Hon'ble Sir Hugh and Lady Fraser, the Hon'ble the Rev. G. Pittendrigh, Mr. and Mrs. S. D. Pears, the Bishop of Mylapore, the Ven'ble Archdeacon Cox, the Hon'ble Mr. and Mrs. F. H. M. Corbet, the Hon'ble Mr. F. B. Tyabji, Mrs. Besant, Major and Mrs. Elwes, Mrs. Whitehead, Colonel W. Molesworth, Mrs. Molesworth, Mr. E. W. Middlemast, Mr. and Mrs. C. H. Higginbotham, Mr. J. F. Simpson, Dewan Bahadur C. Krishnan, Dewan Bahadur M. Audinarayaniah, Mr. W. H. Hutton and Mr. and Mrs. F. W. Armitage. There were also present all the Municipal Commissioners with their families besides the Engineers and staffs of both the Special Works Department and the Corporation.

His Excellency The Governor and Lady Pentland, accompanied by Mr. C. B. Cotterell, I. C. S., Private Secretary, Captain C. J. L. Allanson, Military Secretary, and Captain Money, A.-D.-C. arrived at the works shortly after 4 P.M. and were received by Mr. E. S. Lloyd, I. C. S., the Acting President, and Mrs. Lloyd, and Mr. and Mrs. J. W. Madeley, and conducted to the open space between the pumping station and the elevated water tank, where Their Excellencies, with the Hon'ble Sir Harold Stuart, the

Hon'ble Mr. Sivaswamy Iyer and the Municipal Commissioners were photographed by Mr. Burke, who also took several snapshots of the works and of the inaugural ceremony. This preliminary over, Their Excellencies were conducted to the southern side of the pumping station, where a well decorated pandal was put up and a temporary platform installed for the accommodation of Their Excellencies and the Municipal Commissioners. The general public were accommodated in the open on either side of a new fountain, which had been specially put up to signalise the opening of the new works. In front of His Excellency's chair a wheel had been placed in position, which was to be utilised for performing the function of the evening.

THE ACTING PRESIDENT'S SPEECH.

After Their Excellencies had taken their seat, Mr. E. S. Lloyd delivered the following speech, and presented His Excellency with the illustrated booklet describing the Water-works :—

YOUR EXCELLENCY, LADIES AND GENTLEMEN.—Before Your Excellency proceeds to perform the ceremony for which we have met this afternoon, I request that I may be permitted to give a brief description of the existing water-supply of Madras, and explain what is meant by the term "New Water-works." The water-supply of Madras was for many years obtained solely from wells. Such a supply was naturally subject to pollution, and caused many complaints. Numerous schemes were suggested to provide a remedy, and eventually the works, which for the last 40 years or thereabouts have given the City its drinking water, were undertaken as part of a project designed by Government for bunding up the Corteliar River and its tributaries, and storing their supply in what are known as the Red Hills and Cholavaram Tanks. This supply was partly needed for irrigation, and the work in connection with the tanks was carried out wholly by Government.

The water-supply part of the project consisted in the construction of an unlined open channel from the Red Hills Tank— the lower of the two abovementioned—and the taking of the water by this means for a distance of about 6½ miles to a masonry shaft at Kilpauk, from which lead the cast-iron mains by which the water is distributed throughout the City. This was a Corporation undertaking, the Executive Engineer in charge being Mr. Standish Lee. The works were opened by Lord Napier and Ettrick, on the 13th May 1872, but the distributory works were not completed till the end of 1874 when the expenditure amounted to Rs. 14,30,000. Subsequent extension and cleaning of the water pipes involved an additional expenditure of Rs. 8,70,000, so that the total amounted to Rs. 23 lakhs, which sum was raised by loans. Of this Rs. 16,57,700 had been repaid or covered by a sinking fund by the 31st March 1914, leaving a balance of Rs. 6,42,300 still to be repaid.

Almost as soon, however, as the works had been completed, faults were discovered, and in 1877, Mr. J. A. Jones, the then Municipal Engineer, prepared a scheme which would provide an off-take from the Red Hills at a lower level, a closed pipe line to Madras and pumping and filtering works. The Municipality, however, was not in a position to carry out these works, and the matter was

allowed to lie over. In August 1891, Mr. Cousins was brought out from England to report on the water-supply of Madras, amongst other improvements. He submitted his Report in 1893. The Corporation considered the question of accepting Mr. Cousins' scheme with some modifications, and in 1897 decided to submit a rough estimate amounting to Rs. 16 lakhs. Government called for detailed plans and estimates, and in November, 1903, the Corporation requested that the Sanitary Engineer might be directed to prepare a final and completed scheme. By G. O. No. 1869 M., dated the 3rd November, 1904, Mr. H. Nowroji, the Assistant Sanitary Engineer to Government, was placed on special duty for the purpose of revising, under the supervision of the Sanitary Engineer, the plans and estimates for the water-supply of Madras. Mr. Nowroji's report was sanctioned by G. O. No. 304 W., dated the 11th March, 1907, and in G. O. No. 609 M., dated the 22nd March, 1907, Government communicated Mr. Nowroji's scheme for the normal acceptance by the Corporation, and also forwarded a note from the Chief Engineer to Government, recommending the appointment of a Chief Engineer to take charge of the whole of the Engineering branch of the Corporation. The Corporation decided to appoint a Special Engineer in charge of the Water and Drainage Works, and the Secretary of State appointed Mr. J. W. Madeley for this purpose. He took up his duties in December, 1907.

The water-works now inaugurated are based on Mr. Nowroji's scheme, and his designs, only slightly modified by Mr. Madeley, have been carried out for the conduit, filter beds and pure water tanks. With reference to the Elevated Tank and Pumping Station, Mr. Nowroji made some general proposals, but these were not accepted by the Government, though lump-sum provisions were included in the sanctioned estimates. These works have been designed by the Special Engineer. Mr. Nowroji also prepared a scheme for the improvement of the water distribution system. This was revised by Mr. Madeley to such an extent that the present scheme may be considered distinct from that proposed by Mr. Nowroji.

The chief faults of the old scheme were as follows :—(1) The lake is tapped at so high a level that in a dry year the surface of the water in the lake is lowered for considerable periods below the take-off, and pumping becomes necessary to raise the water into the channel, though there is still plenty of water in the lake below the take-off level. This occurs about every other year. (2) By evaporation and by percolation through its bund the channel loses a large proportion of the water that enters it from the Red Hills Tank. (3) The channel will not carry enough water to supply the increasing requirements of Madras. (4) The channel is liable to contamination by persons bathing in it, or throwing things into it, by cattle that find their way to it in spite of the Corporation patrol, and, lastly, by the coolies who are in it every day cutting the quick-growing weeds which thrive in the slowly moving water. (5) There is the constant danger of the breach of the channel sides. Minor slips frequently occur, and a complete failure of the channel such as would deprive Madras of its only water-supply is felt by the Corporation Engineers to be a very real danger against which they are constantly on guard. Such a slip during the recent rains reduced the water-supply to the city for several days. (6) There are no filters. (7) The distribution system is defective in that

it is incapable of supplying water to consumers either sufficient in quantity or adequate in pressure.

To remedy the above mentioned faults the following new works have been undertaken : —(*a*) An in-take tower located at a point where the water of the lake is deep. (*b*) A roughing filter at the Red Hills to remove the grosser impurities. (*c*) A new underground conduit to replace the existing open channel. (*d*) Sand filters to purify the water. (*e*) Pure water tanks to store the filtered water. (*f*) Pumps to impart to the water an adequate pressure. (*g*) An elevated tank to ensure the maintenance of a steady pressure in the mains. (*h*) The remodelling, alteration and extension of the distribution system so as to provide all the inhabitants of Madras with an adequate quantity of water under sufficient pressure. Of these works, the in-take tower, roughing filter, conduit, filter-beds, pure water tanks, the two principal mains, and a number of the most urgently required subsidiary mains have been completed. Works still remaining to be done consist of :—(I) The completion of filling the filter-beds with filtering materials. (2) The laying of subsidiary mains and distributory pipes. (3) The installation of waste water detection meters. The completion of these works is delayed, owing to the decision of the Corporation to defer entering into contracts for large quantities of materials during the uncertainty which now prevails in consequence of the war.

As soon as the Works are opened, the following benefits should be immediately obtained :—(1) A large supply of water will be available. (2) The water wil be much purer. (3) The pressure throughout the whole of the distribution system will be increased, though, owing to the bad state of some of the existing mains, it may not be possible to bring the full pressure to bear upon every existing main and house fitting at the start. (4) In consequence of the increased pressure, the supply will be immediately improved in those districts where scarcity is greatest. In Mylapore, benefit has already been obtained owing to putting into use the new 30-inch southern main, and water can now be drawn from certain fountains which previously were dry.

Before construction was commenced the question of the agency by which the Water-works should be carried out was very carefully considered and it was eventually decided that work should be divided into small sections, so that it might be executed by local contractors. This was thought preferable to importing outside contractors with up-to-date plant, machinery and methods of construction, such as are used in Europe. It insured that the money spent on the work should, as far as possible, be paid to local firms, and, further, it was considered that the work would be done more cheaply, although the time taken would probably be longer. The results have confirmed these anticipations, and the employment of local contractors has been justified in so far as the cost has been kept low ; but, on the other hand, the rate of progress has been much less than it would have been, if some large European firm had been entrusted with the whole of the works.

The total cost of the works will be about Rs. 63 lakhs, of which works to the value Rs. 42 lakhs have been completed. The remaining Rs. 21 lakhs are almost wholly required for the purchase of cast-iron pipes which will be obtained

out of India, and had it not been for the delay owing to the war, these pipes would now be in course of delivery.

The following is the superior staff employed under the Special Engineer :—*Assistant Water-works Engineer*—Mr. H. Nowroji, in charge of design and construction of conduit, filter-beds, and pure water tanks. He left on the 30th November, 1912. *Acting Assistant Water-works Engineer*—Mr. T. A. Pereira, in charge of the completion of fitter and construction of masonry work of elevated tank and pumping station. *Mechanical Engineer*—Mr. F. Newland, engaged for part of his time on design and erection of pumping plant and elevated tank. *Assistant Water-works Engineer*—Mr. F. A. Adlard, in charge of new water-supply distribution system from the 30th November 1912, to the 21st November 1914.

I conclude with some general remarks. I need not, I think, take up Your Excellency's time with a detailed statement of the actual cost of the several works, as compared with the estimated cost. Your Excellency will, however, be glad to learn that the total cost of the completed works is below the estimate, and in some particulars this is very noticeably the case. Thus, for instance, the conduit, perhaps the most difficult work of all, has cost only Rs. 6,07,025, as against an estimate of Rs. 6,80,000, and the filtered water reservoirs have cost only Rs. 1,51,786, as against an estimate of Rs. 2,83,000. The principal contractor Mr. A. Subramania Iyer, is well-known to the Corporation of Madras. He has throughout a long life carried out successfully a large number of the more important Municipal contracts of the City. He has lately had a little difficulty in finishing sufficiently speedily the filling of the filter-beds, but, on the whole, he may justifiably be proud of his achievements in respect of his very large contracts for the new Water-works. He has been assisted by his son, Mr. Krishnaswamy Iyer, who, we trust, will carry on his father's business when he retires, equally to the satisfcation of the Corporation. I should like also to specially mention contractor Mr. M. Bashyam Naidu, who, I understand from Mr. Madeley, has done very good work. The large contract of the South India Industrials, Limited, in connection with the steel tank, etc., has been successfully performed, and the numerous firms with whom contracts for the supply of materials have been placed have met all requirements. The superior staff engaged has, I believe, been found generally satisfactory, a special word of praise being due to Mr. Pereira.

The principal credit for the completion of the Works is, however, of course due to Mr. Madeley, the Special Engineer. The new Water-works are the largest single undertaking hitherto carried out by the Corporation ; though they will be exceeded in magnitude by the new Drainage Works upon which Mr. Madeley is also engaged. We are all most deeply impressed by Mr. Madeley's skill and thoroughness, and I would ask Your Excelleney to convey to him in suitable terms our profound admiration for the manner in which he has carried out his laborious and difficult task.

I should like also, on behalf of the Corporation, to express our gratitude to Your Excellency's Government for the very generous financial assistance accorded for these great Works. May I also be permitted, in conclusion, to say how proud I feel personally that it should be my good fortune to welcome Your

Excellency here to day to open works which were commenced during my former tenure of office as President of the Corporation ?

H. E. THE GOVERNOR'S REPLY.

His Excellency then rose amid loud applause and spoke as follows :--

President and Councillors of the Corporation, Ladies and Gentlemen-The history of the Madras Water-supply and the description of the new Works to be opened this afternoon have been given with great clearness by the President, and there is little that need be added by me. It must, I think, have become evident to you all from Mr. Lloyd's remarks that Madras has for 42 years been obliged to content itself with a water-supply system very inadequate to its need, a system which fell considerably short of the standards of modern sanitation ; and, further, that by the new supply scheme the Corporation is providing the town not only with a more copious flow of water, but, what is more essential, with water of a high degree of purity. The system which has supplied Madras for so long with its water, and which is now to be replaced, was, no doubt, a notable improvement on the supply from wells which Mr. Lloyd tells us was previously the only one available. But even within a few years of its construction people began to be dissatisfied with it, and perhaps the surprising thing is that it has been tolerated for so long. Its day is now over, and while we say good-bye to it without regret, we may, I think, recognise that in its time it has performed functions of no slight value to the public.

The essential features of the new Works are that the larger supply is to be taken from a deeper level, which will prevent the stirring up of mud in dry seasons ; that the water will not be exposed to contamination on its way to Madras ; that it will be filtered ; and, lastly, that it will be distributed under much higher pressure so that people who draw it will have a much shorter time to wait while their own or their neighbours' vessels are filling. These seem to me to be real advantages for which every house-holder, and indeed every inhabitant of Madras now and in years to come, should be suitably grateful.

As early as 1877, only five years after its installation, the question of improving the old water-supply system was first taken up, but it was dropped again till 1885, when it was carried a stage further. In 1880, a Committee was appointed to go into the subject, but no real advance was made until in 1903, when the President brought forcibly to public notice the urgent necessity of improving the City water-supply. Upon thi,s Special Officer Mr. Nowroji was appointed to draw up a scheme, and it is his scheme which, we hear, forms the basis of the works that have now been constructed. Mr. Nowroji passed on to other duties two years ago, but we may none the less record our appreciation of his share in the work now completed ; and with Mr. Nowroji we may congratulate Messrs. Pereira, Newland and Adlard on the valuable contributions they have made, each in his own department, towards the final result which we are to set in operation to-day.

One point in Mr. Lloyd's speech struck me as being of special interest, namely, that the Corporation resisted the many attractions possessed by the plan

of employing a single large outside contractor for the whole scheme, and decided to have the work executed by a number of local contractors, each being in charge of a section of the whole. Apart from the advantage that the Corporation has been able in this way to give an important impetus to local enterprise, and to support and encourage local firms, their policy has secured an appreciable saving in the total cost of the scheme, a most satisfactory result. While all the contractors have done well, Mr. Lloyd has selected for special mention Mr. A. Subramania Iyer, Mr. M. Bashyam Naidu and the South India Industrials, and to them and to the remaining firms we may, I think, extend our congratulations.

The sectional contract system which has, as we have seen, resulted in so satisfactory a saving of cost, would not have been possible unless there had been at the head, co-ordinating and controlling the work of all, an officer of exceptional ability, skill and tact. All who know him will agree that the Corporation was fortunate in being able to secure the services of such an officer in Mr. Madeley. Since 1907 Mr. Madeley has been in charge of the Water-works construction, as well as the Drainage Works, and I undertake most willingly the pleasant duty which the President has asked me to perform, of conveying to Mr. Madeley the admiration of the Corporation and the warm appreciation of the general public of the energy and skill with which he has carried through his difficult and responsible task. Though to-day marks the completion of the principal part of the new Madras Water-works, we may, I think, congratulate ourselves that Madras is not in the near future to lose Mr. Madeley. That he will not suddenly take flight is assured by the fact that he has still to finish the drainage scheme, and partly also, perhaps, by the fact that he has most generously made a gift of his aeroplane to the War Office. (Applause.)

Ladies and Gentlemen, there remains nothing more for us to do before I declare the new Water-works open but to wish to them the success which the skill, labour and energy expended on their design and construction have earned ; to congratulate Mr. Lloyd on the coincidence of his temporary return to the Corporation with the completion of the work, the conception of which was also under his auspices ; and finally, to convey to the Corporation the general sense of gratitude for this great City improvement.

I now proceed to turn this wheel, and declare the new Madras Water-works to be open.

At the conclusion of the speech, all eyes were turned upon His Excellency, who under the direction of Mr. Madeley, inaugurated the new Water-works by turning a wheel, thereby opening a valve and starting a pump, which forthwith began to deliver pure water under increased pressure into the supply pipes of the City. Visible and unmistakable evidence of the inauguration simultaneous with the turning of the wheel was furnished by the fountain in front of His Excellency, which at once began to play, beautiful sprays of filtered water rising to a height of some 15 ft. to 20 ft. This concluded the ceremony, at the close of which Their Excellencies were garlanded, and the spectators, led by Mr. Lloyd, gave Their Excellencies three rousing cheers.

Next followed the inspection of the Works by Their Excellencies, who were taken first into the pumping station, fitted with up-to-date pumps and machinery of great capacity. The underground water tanks, the filter beds, the filter outlet regulator, the conduit bringing the water from the Red Hills, and, lastly, the elevated water tank were inspected. As Their Excellencies reached the top of the elevated water tank, by means of the spiral staircase, they were loudly cheered. From the top of this tank a very fine view can be obtained of the City.

The inspection over, the assembly sat down to tea, which was supplied by Mr. G. Varadarajulu Chetty, Proprietor of the Clarence Hotel. The Band of the M. & S. M. Railway Volunteers played an excellent selection of music during the evening.

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OF THE

CORPORATION OF MADRAS

FOR

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